

# **The AUHSD Talent Gateway Documentation**

**2024 FBLA NLC Website Coding and Development**

**Updated June 2024**

**Dheeraj Koppu – Cypress High School, California**

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# 1. Software Documentation

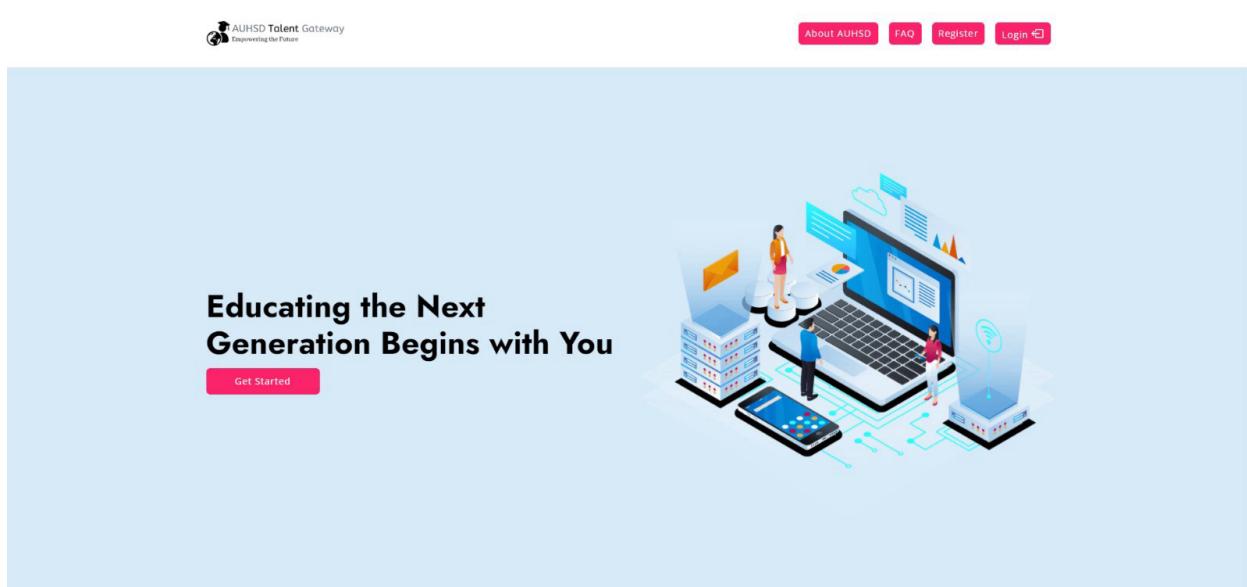
## 1.1 Overview

The AUHSD Talent Gateway is a .NET-based program designed to revolutionize the job market. It provides communication with the users of the program, letting them know every step of their application. It essentially makes the job application industry much more transparent while maintaining numerous features such as having a profile, submitting videos, photos, resume, and more. AI is used to make the application process more simpler to the users as well as administrators as well. It sends emails to the users regarding their application as well as has the ability for admins to delegate the applications to different HR and Interview Panels. This program essentially aims in making the Job Application process as streamlined and accessible for employees and employers.

## 1.2 Home Page

Before running our application, please ensure that all required packages and libraries are installed. Visit section 4 for more information.

After running the application, the user is first greeted with the homepage. Please keep in mind that slight design variations may occur across devices. The webpage is fully responsive and can adapt seamlessly to any screen size.



- The home page is a simple front page that displays a logo and image and allows users to get started with the program. Sources are listed wherever necessary.

## Menu Bar

## The AUHSD Talent Gateway Documentation

- The home page is equipped with a menu bar. This menu bar allows you to navigate to other web pages by clicking on it.



- To navigate back to the homepage at any point, just click on the AUHSD Talent Gateway logo located at the top of the page.



### Back to Top Icon

- Whenever a page is scrolled down, users can navigate to the top of the page by pushing the arrow button on the screen. We strive to minimize scrolling to maintain simplicity.



### 1.3 Registration Page

A screenshot of the "Sign Up" registration page. The page has a light blue header with the AUHSD Talent Gateway logo and a menu bar with "About AUHSD", "FAQ", "Register", and "Login" buttons. The main content area is titled "Sign Up" and contains fields for:
 

- Username
- Password
- Confirm Password
- First Name
- Last Name
- Email ID
- Phone Number
- Date of Birth (mm/dd/yyyy)
- Gender (Male, Female)
- Country (Afghanistan)

 A pink "Register" button is at the bottom. At the bottom of the page, there are links for "ABOUT US", "CONTACT INFO", "IMPORTANT LINKS", and "NEWSLETTER", along with a "Email Address" input field and a copyright notice: "Copyright © 2024 AUHSD Talent Gateway."

- If the user wishes to create an account with The AUHSD Talent Gateway, they will have to click register and will be redirected to the registration page.
- The Registration Page has multiple validators
- Invalid Entries

- Email: If the email is not of a proper email format, such as [xxx@xxx.com](mailto:xxx@xxx.com), it will prompt the respective error.
- Password: If the password does not meet the minimum password complexity, the website will return the proper error

[Register](#) [Clear](#)

- Invalid Email
- Invalid Password

- Blank Fields
  - First Name: If the user does not input a first name into the registration page, the website will return the respective error.
  - Last Name: If the user does not input a last name into the registration page, the website will return the respective error.
  - Password: If the user does not input a password into the registration page, the website will return the respective error as well as the invalid password error.
  - Email: If the user does not input an email into the registration page, the website will return the respective error.

[Register](#) [Clear](#)

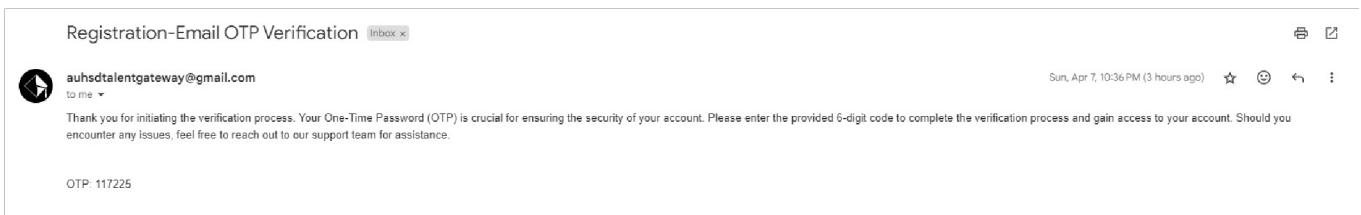
- First Name is required
- Last Name is required
- Password is required
- Email is required
- Invalid Password

- Duplicate Users
  - If the user inputs an email that already exists in the SQL database, the program will output the respective error. As emails are uniquely tied to usernames/IDs, a duplicate email will also not allow duplicate usernames.

[Register](#) [Clear](#)

- Email already exists

- Email Confirmation for Account Creation
  - While registering, after the user inputs their email, they will be sent an OTP, which they will have to verify.



- Upon typing the OTP and clicking Verify OTP, the popup will disappear and allow the user to continue the registration process.

dheerajkoppu@gmail.com

Enter OTP

Verify OTP

## 1.4 Login Page

- Users can log in by entering their valid credentials on the login page and clicking on the 'login' button.

AUHSD Talent Gateway

About AUHSD FAQ Register Login

Sign In

Username

Password

Login

Sign in with Google

Sign in with LinkedIn

ABOUT US CONTACT INFO IMPORTANT LINKS NEWSLETTER

Email Address

Copyright © 2024 AUHSD Talent Gateway

- The login page includes multiple validators to ensure that users enter their credentials correctly.

### Black Username/Password

- If a user leaves the username or password field blank when attempting to log in, the program will prompt an error message in the respective category.

Sign In

Username

Please fill out this field.

Password

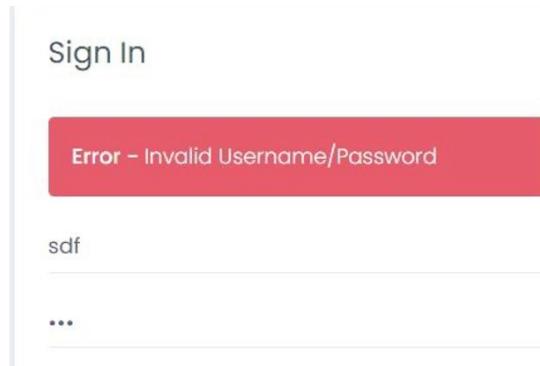
Login

Sign in with Google

Sign in with LinkedIn

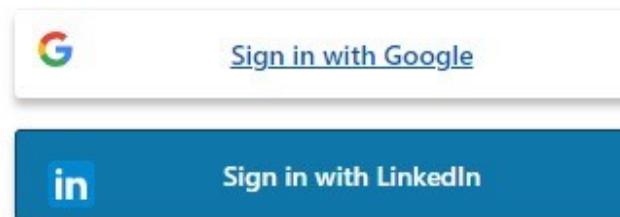
### **Invalid Username/Password**

- If a user enters an incorrect or nonexistent username or password, the program will prompt an error message in the respective category.
- If the user does not verify their email, they will not be permitted to login to the program.



### **Sign In with Google or LinkedIn:**

- Users can use their Google or LinkedIn account to create an account with the AUHSD Talent Gateway by pushing the respective buttons.



- Since the program is not verified by Google, users must click 'Advanced' and then "Go to Fbla" in order to use the Sign In with Google Functionality



Google hasn't verified this app

The app is requesting access to sensitive info in your Google Account. Until the developer ([fbalfbla@gmail.com](mailto:fbalfbla@gmail.com)) verifies this app with Google, you shouldn't use it.

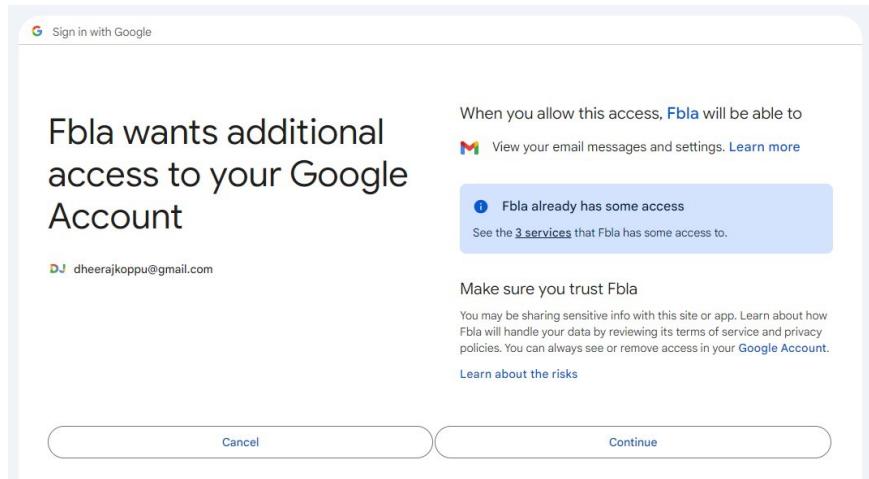
[Hide Advanced](#)

[BACK TO SAFETY](#)

Continue only if you understand the risks and trust the developer ([fbalfbla@gmail.com](mailto:fbalfbla@gmail.com)).

[Go to Fbla \(unsafe\)](#)

- Users must also allow certain details shared with the AUHSD Talent Gateway in order to use the program. All data is stored securely and is never shared with anyone.



## 1.5 About AUHSD Page

To learn more about the AUHSD and reasons why to work here, users can access the About AUHSD webpage. Appropriate sources are listed wherever necessary.

**Welcome to Anaheim Union High School District**

We're excited that you're considering joining our team of dedicated educators and staff!

**About Us**

The Anaheim Union High School District (AUHSD) serves over 30,000 students across several communities. Our mission is to provide a quality education that prepares all students to achieve their full potential. As stated in our mission, "The Anaheim Union High School District, in partnership with the greater community, will graduate socially aware, civic-minded students who are life ready by cultivating the soft and hard skills." For more information, visit our [official website](#).

Source: AUHSD

**Our Mission Statement**

The Anaheim Union High School District, a partnership of students, parents, staff, and community, will provide each student with a high-quality, well-rounded educational program in a safe and nurturing learning environment that promotes:

- High academic achievement based on a strong foundation of knowledge and skills
- 21st Century learning skills for students to act as problem solvers and critical thinkers
- Readiness for post-secondary education, career options, and civic and social responsibility

Source: AUHSD

**Our Vision Statement**

The Anaheim Union High School District will graduate socially aware, civic-minded students who are college, career, and life ready.

Source: AUHSD

## More Than a Century of Serving the Students of Our Community

The Anaheim Union High School District is the premiere school system in the premiere county in the state of California. We have so much to celebrate.

Founded in 1890, the AUHSD has a student population of approximately 31,000, making it one of the largest school districts in the state.

The District covers 46 square miles and stretches across the cities of Anaheim, Cypress, Buena Park, La Palma and Stanton. Our students, who speak 49 different languages in their homes, attend 21 campuses, and come to us from five feeder elementary districts.

We have almost 3,000 employees, making the District the third-largest employer in the city of Anaheim. Our physical plant is enormous—with 21 campuses equal to the size of two Anaheim stadiums, plus parking lots. The community is benefiting from \$249 million in improvements to our campuses, thanks to the voter-approved Measure H bond measure.

We are proud of the many academic accomplishments of our students, and the teachers who spur them on. Four of our campuses have been recognized as Distinguished Schools by the California Department of Education: Lexington Junior High School, Cypress High School, Western High School, and Oxford Academy. Oxford also earned National Blue Ribbon status from the U.S. Department of Education, while Savanna High School was designated as a National P-21 Exemplar School.

Additionally, U.S. News and World Report awards gold, silver, and bronze medals to the Best High Schools in the nation, and Oxford Academy was ranked No. 16 nationally (and No. 2 in California, according to California Department of Education rankings.) Six high schools earned silver medals: Cypress, Kennedy, Katella, Loara, Anaheim, and Western, while Hope School for the severely disabled also earned national recognition.

Meanwhile, planning is under way for full implementation of the Common Core State Standards (CCSS) in 2014-2015. The newly adopted standards are a national set of academic expectations for college and career success that provide a clear understanding of what students are expected to learn. We are clearly ahead of many other districts in our planning for the Common Core.

We have established 28 career pathways in 12 industries, all designed to lead to meaningful post-secondary employment. Enrollment in Career Technical Education pathway courses totals more than 11,000 students. We also have about 600 students enrolled in 17 online courses, from health to accounting to AP level classes.

We are the first school district in Orange County to offer graduates a Seal of Biliteracy on their diplomas. To attain the seal, students must show mastery of English and Spanish, Japanese, Mandarin, French, Korean, Vietnamese, or Arabic. The program recognizes that mastery of two languages is a valuable asset for participation in the diverse 21st century economy.

We have maintained marvelous programs in music, art, and athletics, despite severe budgetary challenges. Our junior high school intramural-athletics program has a student participation rate of more than 50 percent. More than 21,000 students are enrolled in visual and performing arts classes; more than 9,000 students participate in activities, and more than 6,500 students participate in athletics. Our boys' and girls' high school sports teams take home their share of California Interscholastic Federation championships.

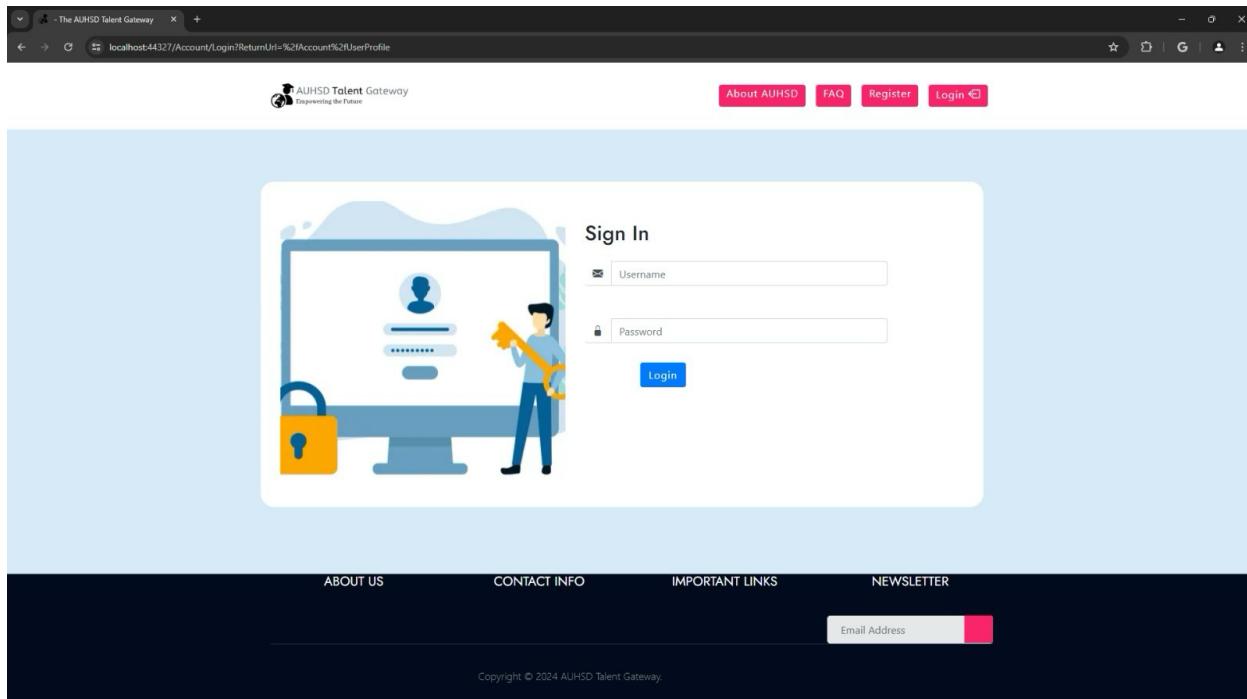


The About AUSHD Page contains the following:

- About Us: A description about the Anaheim Union High School District as a whole • Mission Statement: An excerpt of the official AUHSD Mission statement.
- Vision Statement: An excerpt of the official AUHSD Vision statement.
- History of AUHSD: Description from the AUHSD Webpage regarding the district history and key moments in helping students.
- Why Join Us: A few reasons why prospective applications should choose to apply to the Anaheim Union High School District.
- How to Apply: Instructions on how to create an account and apply for a job at the AUHSD.

## 1.6 User Profile Page

- Upon successful login, if the user is a prospective employee, they will be automatically redirected to the 'User Profile' page.



- If the user is not logged in and tries to access the 'User Profile' page, they will be redirected to the login page, which will redirect them to the 'User Profile' page upon successful login.

A screenshot of a web browser showing the User Profile page. The URL in the address bar is "localhost:44327/Account/UserProfile". The page has a header with links for "Job Search", "View Saved Jobs", "View Applications", "Recommended Jobs", "FAQ", "About AUHSD", and "Log Out". The main content area shows a profile picture of a student named "Dheeraj Koppu" and sections for "Basic Information", "Experience", and "Education".

- Basic Information:**
  - Age: 16
  - Years of Experience: 4
  - Phone: 5626523320
  - Cost to Company (CTC): \$5000
  - Location: USA
  - Email: dheeraj.koppu@gmail.com
- Experience:**
  - Web Design Intern (Checkmark)  
Anheim Union High School District  
Intern | Oct 2022 to May 2024
  - Bumper Ambassador (Checkmark)  
Bumper  
Intern | Aug 2022 to Oct 2022
  - Add Employee Experience Details (Checkmark)
- Education:**
  - Cypress High School - 12 (Checkmark)  
Cypress High School  
High School | Aug 2021 to May 2025
  - Cypress College - Dual Enrollment (Checkmark)  
Cypress College  
Dual Enrollment | Jun 2021 to May 2025

- The User Profile Page has a variety of features for students:
  - **Basic Information:** This includes the basic information of the user.
    - To update the information, simply click the edit icon on the top right.

Basic Details

Name	<input type="text"/>
Role	<input type="text"/> user
Description	<input type="text"/>
Age	<input type="text"/> 0
Years of Experience	<input type="text"/> 0
Phone	<input type="text"/> 5626523320

**Close** **Save Changes**

- **Experience:** This includes the job experience of the user.
  - To update the information, simply click the edit icon on the top right.

Experience Details

Role	<input type="text"/>
Employment Type	<input type="text"/>
Company Name	<input type="text"/>
Start Date	<input type="text"/> mm/dd/yyyy
End date	<input type="text"/> mm/dd/yyyy
Job Profile	<input type="text"/>

**Close** **Save Experience**

- **Education:** This includes the educational experience of the user.
  - To update the information, simply click the edit icon on the top right.

Education Details

Education Name	<input type="text"/>
Education Type	<input type="text"/>
Education Level	<input type="text"/>
Institution Name	<input type="text"/>
Start Date	<input type="text"/> mm/dd/yyyy
End Date	<input type="text"/> mm/dd/yyyy

**Close** **Save Education**

- **Accomplishments:** This includes the accomplishments of the user.
  - To update the information, simply click the edit icon on the top right.

Accomplishments Details X

---

Social Profile

URL

Description

Close Save Accomplishments

- If the user leaves a column blank, it will prompt the user to fill in the blank column

URL

- **Certifications:** This includes the certifications of the user.
- To update the information, simply click the edit icon on the top right.

Certification Details X

---

Certification Name

Certification Completion ID

URL

Valid From  
 mm/dd/yyyy □

Valid To  
 mm/dd/yyyy □

Close Save Experience

- **Skills:** This includes the skills of the user.
- To update the information, simply click the 'Add Skills Button'.

Skills Details X

---

Skill

Skill Version (if applicable)

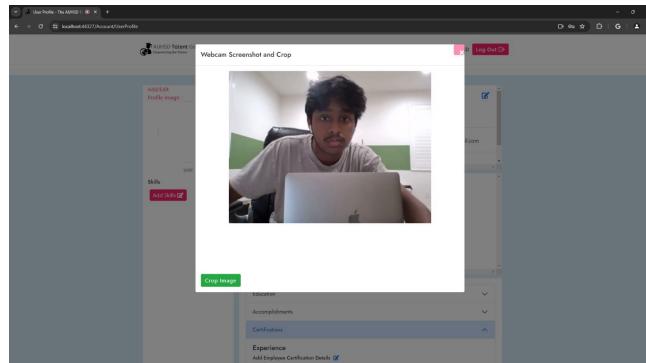
Year Skill Was Last Used

Years of Experience

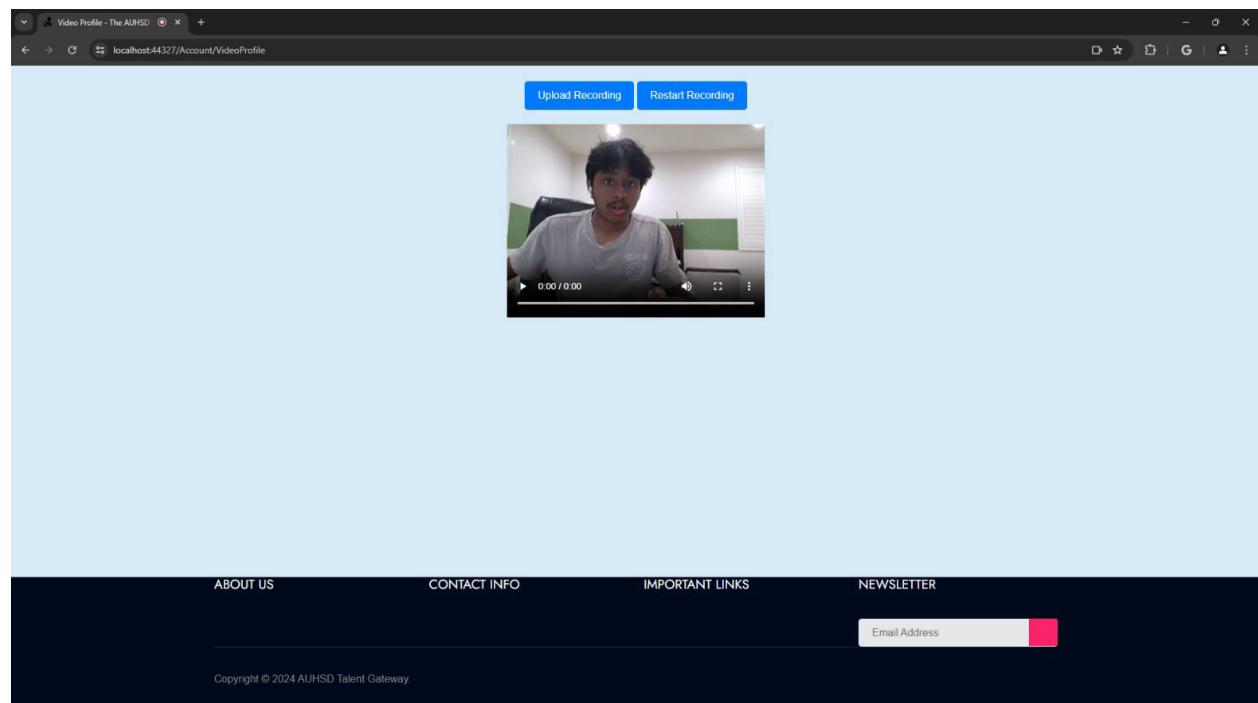
Close Add Skill

- The User Profile Page also has the ability for users to add an image and/or video to aid their application:

- Profile Image:** Simply Click on Add/Edit Profile image and Click Capture Image From Webcam. After Obtaining Camera Permissions, the camera will present a viewfinder and allow you to crop the image and Upload.



- Video Recording:** Users can also record a video of themselves advocating for why they deserve to be chosen. This is to aid a job application. Users simply have to click on Add/Edit Video Profile and Click Start Recording After Giving permissions. Afterward, the user can rewatch the video and choose whether to rerecord, upload, or cancel.



- Resume:** Users can upload a resume to aid their ability to get a job. Users will have the ability to download this resume.

## Upload Resume

Choose File No file chosen

Upload Resume

Download Resume

- Once a user uploads their resume, it is securely converted to text and sent to ChatGPT to analyze. It will review the resume and determine a score for it. This will be emailed to both the user and the administrator of the program. This will allow the user to fix flaws in their resume as well as aid administrators in shortlisting candidates.

Detailed Resume Analysis for Dheeraj Koppu

### 1. Pros:

- Achievements:
  - Impressive list of awards demonstrating excellence in academics, programming, and business competitions.
  - FBLA National and State Championships highlight outstanding leadership and competition skills.
- Experience:
  - Diverse range of internships and roles, indicating a solid background in tech and leadership.
  - Specific contributions to UX/UI and accessibility, showcasing relevant and actionable skills.
  - Leadership positions in multiple clubs, such as CyberPatriots and Computer Science Club, demonstrating strong organizational and management skills.
- Projects:
  - Notable personal projects like "SchoolBoost" and "Surround Search," indicating hands-on experience with relevant technologies and problem-solving capabilities.
  - Clear descriptions of technologies and methodologies used, which shows technical proficiency.
- Education and Certifications:
  - Strong academic record with a GPA of 4.64 W / 4.0 U W.
  - Dual enrollment in college courses especially relevant to the field of computer science and cybersecurity.
  - Certifications from reputable sources such as CompTIA, Google, Cisco, and Microsoft.
- Skills and Tools:
  - Proficiency in a wide range of technologies including .NET, Python, HTML, CSS, SQL, and tools like Microsoft SQL Server Management Studio.
  - Knowledge and certification in cybersecurity and generative AI indicate a well-rounded skill set.

### 2. Cons:

- Formatting Issues:
  - The resume is text-heavy which can make it difficult to read quickly. Better use of bullet points and spacing could improve readability.
  - Lack of a clear professional summary at the top, which could provide a quick snapshot of the candidate's qualifications and career goals.
- Timeline and Consistency:
  - The timeline of roles and projects could be more clearly defined and consistently formatted. For example, the date ranges for some roles extend to "PRESENT," which can be ambiguous without a clear end date.
  - Overlapping dates for multiple roles may raise questions about the manageability of those positions concurrently.
- Specificity:
  - Some bullet points lack specific metrics or outcomes. For example, phrases like "actively implementing new UX/UI and accessibility features" could be more impactful with concrete results or improvements mentioned.
  - Descriptions of roles and projects could benefit from quantifiable achievements to add more weight to the responsibilities listed.
- Rating:
  - 8.5/10: Overall, the resume shows a highly accomplished and skilled individual with significant achievements and experience in relevant areas. The main areas for improvement are in formatting for better readability and providing more measurable outcomes to highlight the impact of the candidate's roles and projects.

Resume Review - pkoppu@gmail.com [Inbox](#)

 [auhsdtalentgateway@gmail.com](#)  
to me ▾  
Detailed Resume Analysis for Dheeraj Koppu

4:38 PM (2 hours ago) [Star](#) [Reply](#) [Forward](#) [More](#)

1. Pros:

- Achievements:
- Impressive list of awards demonstrating excellence in academics, programming, and business competitions.
- FBLA National and State Championships highlight outstanding leadership and competition skills.
- Experience:
- Diverse range of internships and roles, indicating a solid background in tech and leadership.
- Specific contributions to UX/UI and accessibility, showcasing relevant and actionable skills.
- Leadership positions in multiple clubs, such as CyberPatriots and Computer Science Club, demonstrating strong organizational and management skills.
- Projects:
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- Education and Certifications:
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- Certifications from reputable sources such as CompTIA, Google, Cisco, and Microsoft.
- Skills and Tools:
- Proficiency in a wide range of technologies including .NET, Python, HTML, CSS, SQL, and tools like Microsoft SQL Server Management Studio.
- Knowledge and certification in cybersecurity and generative AI indicate a well-rounded skill set.

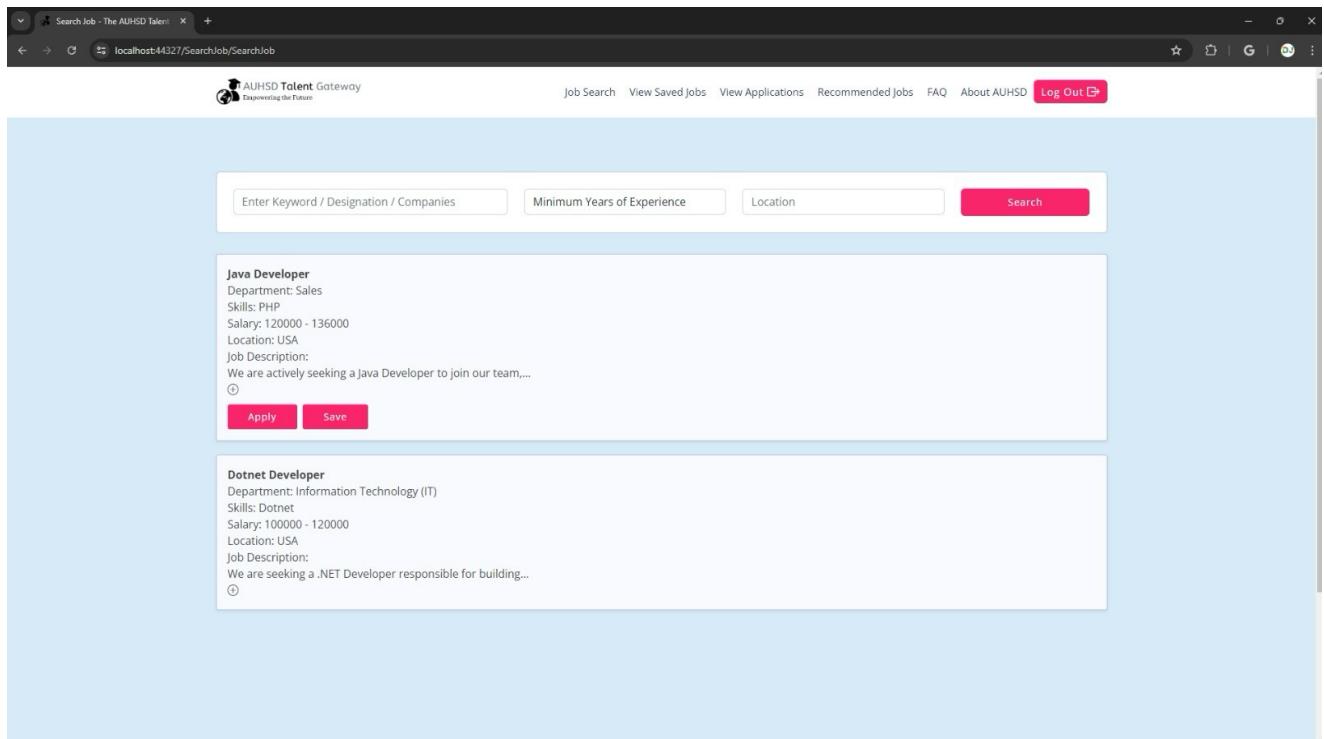
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- The timeline of roles and projects could be more clearly defined and consistently formatted. For example, the date ranges for some roles extend to "PRESENT," which can be ambiguous without a clear end date.
- Overlapping dates for multiple roles may raise questions about the manageability of those positions concurrently.
- Specificity:
- Some bullet points lack specific metrics or outcomes. For example, phrases like "actively implementing new UX/UI and accessibility features" could be more impactful with concrete results or improvements mentioned.

- The Administrators will receive the same email but with the user's email in the subject line to be more easily accessible.

## 1.7 Job Search Page

The Job Search Page allows users to search and apply for jobs. A few jobs will automatically be shown upon opening the page.



Search Job - The AUHSD Talent Gateway

localhost:44327/SearchJob/SearchJob

AUHSD Talent Gateway [Log Out](#)

Job Search View Saved Jobs View Applications Recommended Jobs FAQ About AUHSD

Enter Keyword / Designation / Companies Minimum Years of Experience Location Search

**Java Developer**  
 Department: Sales  
 Skills: PHP  
 Salary: 120000 - 136000  
 Location: USA  
 Job Description:  
 We are actively seeking a Java Developer to join our team,...  
 ⓘ [Apply](#) [Save](#)

**Dotnet Developer**  
 Department: Information Technology (IT)  
 Skills: Dotnet  
 Salary: 100000 - 120000  
 Location: USA  
 Job Description:  
 We are seeking a .NET Developer responsible for building...  
 ⓘ

- The Search Jobs Page Works by Taking in Three Parameters.
  - o Keyword
  - o Years of Experience Required
  - o Location of Job
- Upon inputting the following, all the user has to do is click 'Search', and applicable jobs will pop up.

The screenshot shows a web browser window titled "Search Job - The AUHSD Talent". The address bar shows "localhost:44327/SearchJob/SearchJob". The page header includes the AUHSD Talent logo, navigation links for "Job Search", "View Saved Jobs", "View Applications", "Recommended Jobs", "FAQ", "About AUHSD", and "Log Out". Below the header is a search form with three input fields: "Python" in the first, "2" in the second, and "USA" in the third. A blue "Search" button is to the right. Below the search form is a job listing for a "Python Developer". The job details are partially visible: Department: Information Technology (IT), Information Technology (IT), Sales; Skills: Java, CSS; Salary: 130000 - 170000; Location: USA; Job Description: "We are in search of a Python Developer responsible for b...". At the bottom of the job listing are two buttons: "Apply" and "Save".

- Users can expand the Job Description by pressing the '+' icon and minimize it by pressing the '-' icon.

The screenshot shows the same web browser window and job listing as the previous one, but the job description is now fully expanded. The expanded description reads: "Job Description: We are in search of a Python Developer responsible for building and managing software applications written in Python. The ideal candidate will possess deep knowledge of Python programming, including familiarity with various Python frameworks such as Django or Flask. This role demands an understanding of both front-end and back-end technologies, the ability to analyze project requirements, develop solutions, and guide projects from conception to completion. Responsibilities include writing efficient, testable, and reusable code, debugging applications, and enhancing system performance. Collaboration with internal teams to incorporate new features and technologies is essential. This is a fantastic opportunity to engage in diverse projects, push the boundaries of software development, and expand your skill set in a vibrant and challenging environment. (C)"

- The User can then choose to apply or save the job or search with new filters.

## Applying for a Job

- If the user chooses to apply for the job, they will see the following menu where they will have to answer a few questions:

The 'Apply Job' form consists of the following fields:

- Name
- Current Salary
- Desired Salary
- Total Years of Experience
- Current Company
- Notice Period
- Current Location

Below these fields is a question: "Are you interested in relocating?" with radio buttons for "Yes" and "No". At the bottom is a red "Submit" button.

- Name
- Current Salary
- Desired Salary
- Total Years of Experience
- Current Company
- Notice Period
- Current Location
- Interest in Relocating

Job Applied - AUHSD Talent Gateway

auhsdtalentgateway@gmail.com to me Sun, Apr 7, 10:31PM (1 day ago)

Dear Dheeraj,  
Your job application has been submitted successfully.  
Thank you for applying.  
[auhsdtalentgateway@gmail.com](mailto:auhsdtalentgateway@gmail.com)

- Users will receive an email after applying for a job.

Job Application Received - AUHSD Talent Gateway

auhsdtalentgateway@gmail.com to me 4:46PM (1 hour ago)

Dear Admin,  
Prashanth has applied for the job: Python Developer.  
Thanks.  
[auhsdtalentgateway@gmail.com](mailto:auhsdtalentgateway@gmail.com)

Reply Forward

- Administrators of the Job Posting will also receive an email after a user applied for a job with the users name.

## 1.8 View Saved Jobs Page

- The 'View Saved Jobs Page' shows the user the jobs they have saved. It also gives them the ability to apply for the job. If they choose to apply, they will receive an email as stated before. Users have the same options of maximizing or minimizing the Job Description.

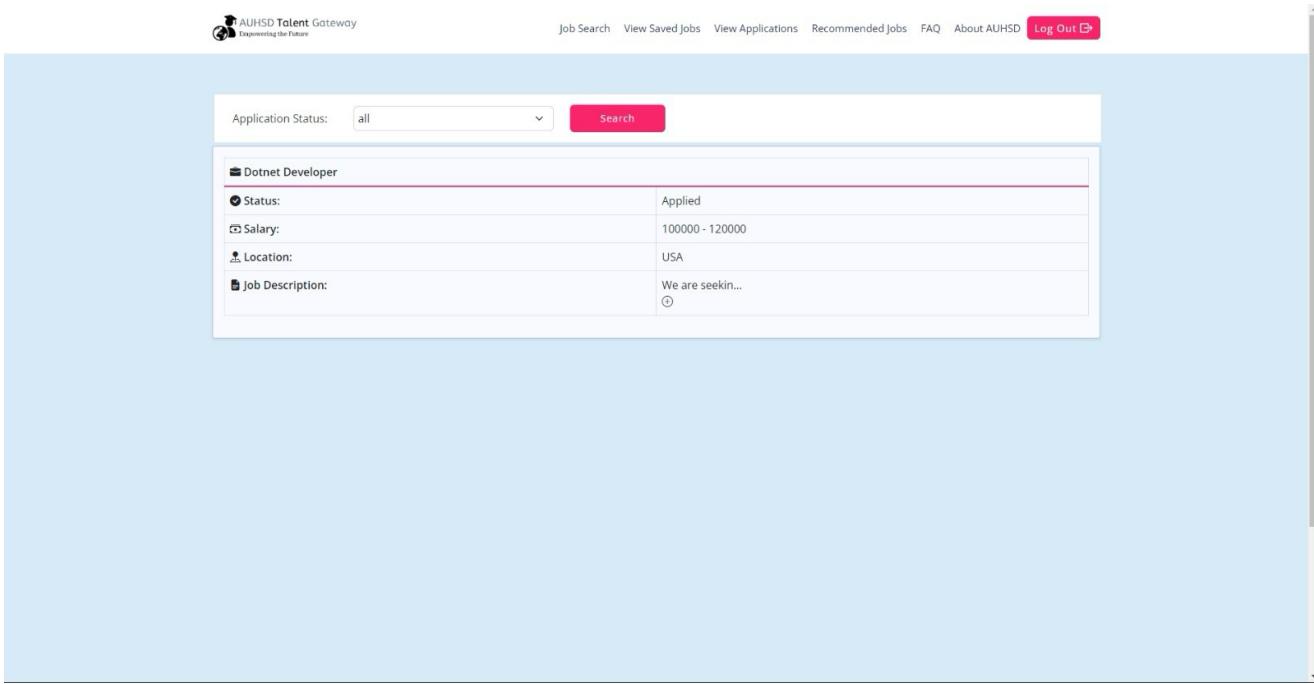
The screenshot shows a web application interface for the AUHSD Talent Gateway. At the top, there is a navigation bar with links for 'Job Search', 'View Saved Jobs', 'View Applications', 'Recommended Jobs', 'FAQ', 'About AUHSD', and a 'Log Out' button. Below the navigation bar, the main content area is titled 'Saved Jobs'. A single job listing is displayed in a card format:

**Dotnet Developer**  
Department: It  
Skills: Python, , CSS, Dotnet, Java  
Salary: 100000 - 120000  
Location: USA  
Job Description:  
We are seeking a .NET Developer responsible for building and maintaining applicati...  
[\(1\)](#)

At the bottom of the card, there is a red 'Apply' button.

## 1.9 View Job Applications Page

- The 'View Job Applications Page' shows the user the jobs they have applied for as well as the status of the application. Users have the same options of maximizing or minimizing the Job Description.



- A drop down menu is provided to filter job applications by the following statuses:
  - All
  - Rejected
  - Applied
  - Shortlisted
  - Selected
  - Hold
- Upon clicking search, the page will update to only show job applications with the desired status.

## 1.10 Recommended Jobs Page

- The 'Recommended Jobs Page' shows the user the jobs they have been recommended to apply to. This will be updated daily and tailored to the skills the user inputs into the program.

Recommended Jobs - AUHSD Talent Gateway ➤

 auhsdtalentgateway@gmail.com to me ▾

Dear Dheeraj,

We are excited to bring you personalized job recommendations that align with your skills and career aspirations.

Please review the attached list of opportunities at your earliest convenience and let us know if you have any questions or need further details about specific roles.

Best regards,  
**AUHSD Talent Gateway**  
 Job Title : Team Lead  
 PHP TEAM LEAD

Please login to our portal to apply for a job [Login to our portal](#)

Job Title : Dotnet Developer  
 We are seeking a .NET Developer responsible for building and maintaining applications using .NET languages (C#, VB.NET). The ideal candidate will have experience with .NET framework, understanding of front-end technologies, and be capable of handling project requirements, developing, coding, debugging, and providing support for applications, ensuring system consistency and improving performance. Collaboration with internal teams to integrate new features and technology is key. Join us to contribute to our innovative projects and grow your expertise in a dynamic environment.

Please login to our portal to apply for a job [Login to our portal](#)

Job Title : Python Developer  
 We are in search of a Python Developer responsible for building and managing software applications written in Python. The ideal candidate will possess deep knowledge of Python programming, including familiarity with various Python frameworks such as Django or Flask. This role demands an understanding of both front-end and back-end technologies, the ability to analyze project requirements, develop solutions, and guide projects from conception to completion. Responsibilities include writing efficient, testable, and reusable code, debugging applications, and enhancing system performance. Collaboration with internal teams to incorporate new features and technologies is essential. This is a fantastic opportunity to engage in diverse projects, push the boundaries of software development, and expand your skill set in a vibrant and challenging environment.

Please login to our portal to apply for a job [Login to our portal](#)

Job Title : UI/UX Developer  
 We are currently seeking a UI/UX Developer to shape and define the user experience and interface for our digital products. The ideal candidate should have a profound understanding of UI/UX design principles and be proficient in front-end development languages such as HTML, CSS, and JavaScript, including frameworks like React or Angular. This role encompasses both creative and technical aspects, requiring the ability to design intuitive and visually appealing interfaces, as well as implement those designs with clean and efficient code. Responsibilities include creating user-centric designs, developing responsive web interfaces, and conducting usability testing to refine and improve the user experience. The candidate will collaborate closely with product managers and developers to ensure seamless integration of the UI/UX design with back-end technologies, and to iterate on user feedback. This position offers the opportunity to influence the user experience strategy, engage in diverse projects, and grow your expertise in a dynamic and collaborative environment.

 AUHSD Talent Gateway Empowering the Future

Job Search View Saved Jobs View Applications Recommended Jobs FAQ About AUHSD Log Out ➤

### Recommended Jobs

**Java Developer**

- Status:
- Salary: 120000 - 136000
- Location: USA
- Job Description: We are actively seeking a Java Develop... (i)

**Apply**

**.Net Developer**

- Status:
- Salary: 100000 - 120000
- Location: USA
- Job Description: We are seeking a .NET Developer respo... (i)

- Users have the same options of maximizing or minimizing the Job Description and can apply for jobs here by pushing the 'Apply' button.

## 1.11 Frequently Asked Questions Page

- The Frequently Asked Questions Page can be accessed through the menu bar by clicking on 'FAQ'.

The screenshot shows the 'Frequently Asked Questions' section of the AUHSD Talent Gateway. At the top, there is a navigation bar with links for 'About AUHSD', 'FAQ', 'Register', and 'Login'. Below the navigation bar is a search bar labeled 'Search FAQs...'. A list of frequently asked questions is displayed in a scrollable area:

- How Do I Create An Account?
- How Do I Logout?
- How Can I Contact The AUHSD Talent Gateway If I Have Any Questions?
- How Do I Login?
- How Do I Apply For A Job?
- How Do I View My Job Applications?
- How Do I Post A Job Opening?
- How Do I View The Jobs I Saved?
- How Do I Edit An Offer Template?
- How Do I Add A Work Experience?
- How Do I Delete My Account?

At the bottom left of the page, there is a URL: <https://localhost:4327/A/account/login>.

- This page shows common frequently asked questions regarding the program.
- Users can navigate the Help Page in two ways:
  1. By using the search feature

The screenshot shows the 'Frequently Asked Questions' section of the AUHSD Talent Gateway. A search bar at the top contains the word 'contact'. Below the search bar, a single question is listed in a scrollable area:

How Can I Contact The AUHSD Talent Gateway If I Have Any Questions?

2. By browsing through each question manually.

#### How Can I Contact The AUHSD Talent Gateway If I Have Any Questions?

If you have any questions or concerns, you can contact the AUHSD Talent Gateway by sending an email to [auhsdtalentgateway@gmail.com](mailto:auhsdtalentgateway@gmail.com). We aim to respond to all inquiries within 2 business days.

- To access further information about a question, simply click on the question, and the relevant assistance will be displayed.
- For aesthetic purposes, the program permits only one question to be expanded at a time. If you open a new question while another one is already expanded, the program will automatically close the previously opened question.

## 1.12 Post Jobs Page

The ‘Post Jobs Page’ allows administrators to Post Jobs to the Users with a variety of parameters.

Job Title      Job Location      CSS      Search      Clear

Job Title      Min Salary      Max Salary  
Enter Job Title      Enter Min Salary      Enter Max Salary

Job Location      Description  
Enter Job Location      Enter Description

Department      Skills  
--Please Select--      noSQL  
Enter Vacancies      Enter Jobs Left

Contact Email  
Enter Contact Email

Skills (dropdown menu):  
noSQL  
PHP  
Rust  
Flask

Submit      Clear

- Administrators can search for jobs that have the desired characteristics:
  - Job Title
  - Job Location
  - Skills

The screenshot shows the AUHSD Talent Gateway interface. At the top, there's a navigation bar with links for 'Post Job', 'View Applications', 'Search Users', 'Email Templates', and 'Log Out'. Below the navigation is a 'Jobs List' section with a table. The table has columns for 'Job Title', 'Job Location', 'Job Description', and 'Skills'. One row is visible, detailing a Python Developer position in the USA. The job description mentions Python programming, Django or Flask frameworks, and various responsibilities. The skills listed are CSS, Java, and Rust. At the bottom of the page, there's a dark footer bar with links for 'ABOUT US', 'CONTACT INFO', 'IMPORTANT LINKS', and 'NEWSLETTER'. There's also a text input field for 'Email Address'.

- Upon the administrator clicking search, they will be navigated to the 'Jobs List' page where all jobs that are shown meet their desired job characteristics.

Submit

Clear

Data Successfully Added.

- Upon clicking submit after putting all relevant job information, a notification will pop up saying 'Data Successfully Added.'

### 1.13 Admin View Job Applications Page

The 'View Job Applications Page' allows administrators to view all users that have applied to jobs.

No	Name	Email	Username	Job Title	Date Applied	HR	Panel	Actions
1	Siva Krishna	dheerajkoppu@gmail.com	dheerajkoppu	Dotnet Developer	Mar 29, 2024	userhr	userpanel	
10		fblademo2024@gmail.com	testuser	Dotnet Developer	Apr 08, 2024	N/A	N/A	

This page has a variety of actions:

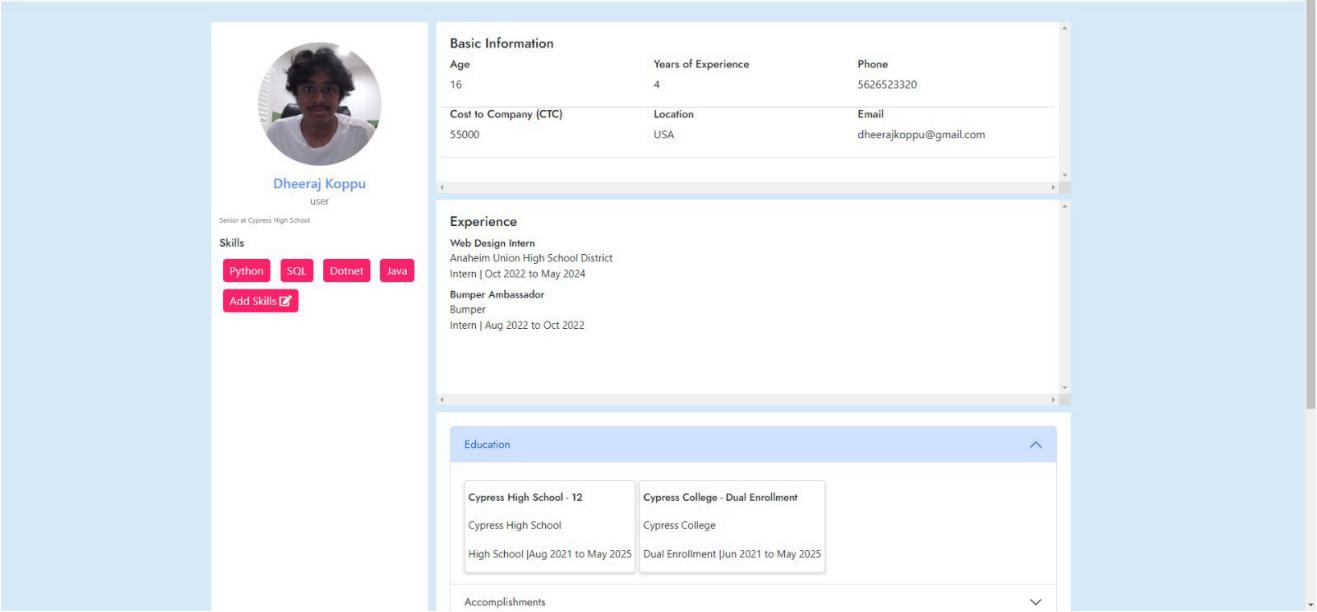
- Assign to Interview Panel. By pushing the Edit Icon button, the admin could assign the job application to a HR and Interview Panel user. The assign panels autocomplete and show users that will work.

No	Name	Email	Username	Job Title	Date Applied	HR	Panel	Actions
1	Siva Krishna	dheerajkoppu@gmail.com	dheerajkoppu	Dotnet Developer	Mar 29, 2024	userhr	userpanel	
10		fblademo2024@gmail.com	testuser	Dotnet Developer	Apr 08, 2024	N/A	N/A	

### Assign to interview panel

Application No:	1
Full Name	Siva Krishna
Email Address	dheerajkoppu@gmail.com
Username	dheerajkoppu
Job Title	Dotnet Developer
Application Date	Mar 29, 2024
Assign to HR	<input type="text"/>
Assign to Interview panel	<input type="text"/>
<input type="button" value="Assign"/> <input type="button" value="Cancel"/>	

- Download Resume: The Download Icon will download the user's resume.
- View Profile: The eye icon will open up the user's profile in read-only format.



The screenshot shows a user profile page for Dheeraj Koppu. At the top, there's a circular profile picture of a young man with dark hair. Below the picture, his name "Dheeraj Koppu" is displayed in blue, with "USER" underneath it. A small note says "Senior at Cypress High School". Under "Skills", there are four colored boxes: Python (blue), SQL (orange), Dotnet (green), and Java (red). A red "Add Skills" button is below them. On the right side, there are three main sections: "Basic Information", "Experience", and "Education".

**Basic Information**

Age 16	Years of Experience 4	Phone 5626523320
Cost to Company (CTC) 55000	Location USA	Email dheerajkoppu@gmail.com

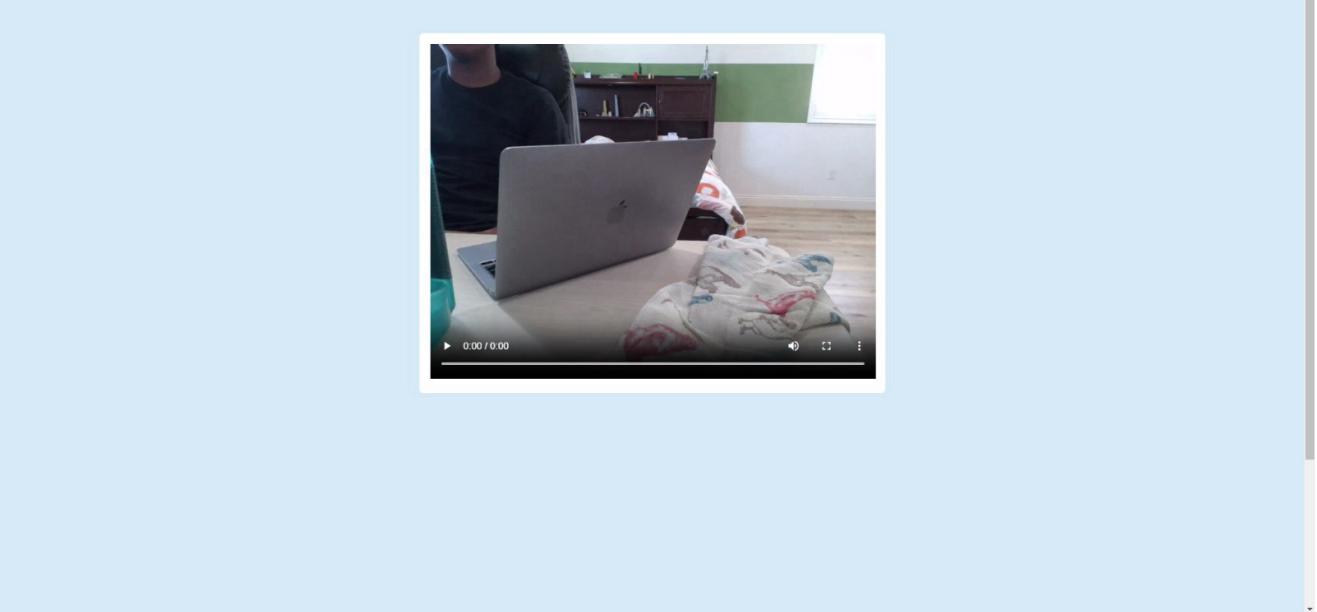
**Experience**

Web Design Intern Anaheim Union High School District Intern   Oct 2022 to May 2024	Bumper Ambassador Bumper Intern   Aug 2022 to Oct 2022
--	--

**Education**

Cypress High School - 12 Cypress High School High School   Aug 2021 to May 2025	Cypress College - Dual Enrollment Cypress College Dual Enrollment   Jun 2021 to May 2025
---	--

- d. View Video: The users recorded will show up if they have recorded one.



The screenshot shows a video player interface. At the top, there's a navigation bar with the AUHSD Talent Gateway logo, "View Applications", and "Log Out". Below the navigation bar is a large video frame showing a person from the back, sitting at a desk with a laptop. The video player has a play button, a progress bar showing "0.00 / 0.00", and other standard video controls like volume and full screen.

- e. Send Offer Letter: This page will allow admin to send offer letters for jobs.

**Prepare Offer Letter**

---

User Email Address  
dheerajkoppu@gmail.com

Salary

Designation

Date Of Joining  
 mm/dd/yyyy

Reporting Person Details

- Administrators will input the following:
  - o Salary o Designation o
  - Date of Joining o Reporting Person Details
- Upon inputting those, the administrator could preview an offer letter and choose to send it.

[Preview](#)

Dear Dheeraj,

We are delighted to extend this offer of employment for the position of Python Developer at the Anaheim Union High School District. We have been impressed by your background and skills, and we believe you will be a valuable addition to our team.

Position Details:

Designation: Python Developer  
Annual Compensation: 100000  
Start Date: 2024-06-25

Location:  
You will be based at our office located at 501 N Crescent Way, Anaheim, CA. Please report to the front desk upon arrival, and they will direct you accordingly.

Next Steps:  
Please take your time to review this offer. Should you choose to accept, we would appreciate a response at your earliest convenience.

Contact Information:  
Should you have any questions or need further clarification about the offer, feel free to contact us at [auhsdtalentgateway@gmail.com](mailto:auhsdtalentgateway@gmail.com). We are here to assist you through this process.

We are excited about the possibility of you joining our team and look forward to your positive response.  
Welcome to the Anaheim Union High School District!

Congrats,

HR Department  
Anaheim Union High School District

[Send Offer Letter](#)

 auhsdtalentgateway@gmail.com  
to me ▾

Dear Dheeraj,

We are delighted to extend this offer of employment for the position of Tech Lead at the Anaheim Union High School District. We have been impressed by your background and skills, and we believe you will be a valuable addition to our team.

Position Details:

Designation: Tech Lead  
Annual Compensation: 500000  
Start Date: 2024-06-23

Location:  
You will be based at our office located at 501 N Crescent Way, Anaheim, CA. Please report to the front desk upon arrival, and they will direct you accordingly.

...

- If the Administrator chooses to send the offer letter, it will be sent to the corresponding user's email.

## Prepare Offer Letter

Offer letter has been successfully generated and sent.

- Administrators will be directed to this "Success" page afterwards.

## 1.14 Search Users Page

The 'Search Users Page' allows administrators to view users resumes and send job recommendations based on the user's skills and location.

The screenshot shows a search interface with two input fields: 'Dotnet' and 'USA'. Below the fields is a 'Search' button. A table displays search results with columns for Name, Email, Username, and Actions. Two rows are shown:

Name	Email	Username	Actions
Dheeraj Koppu	dheerajkoppu@gmail.com	dheerajkoppu	
Dheeraj Koppu	fblademo2024@gmail.com	testuser	

## 1.15 Email Templates Page

The 'Email Templates' allows administrators to change Job Offer Templates based on the job chosen.

The screenshot shows a 'Jobs List' page with a table of job posts. The columns are Job Title, Job Location, Job Description, Skills, and Template. Three rows are listed:

Job Title	Job Location	Job Description	Skills	Template
Dotnet Developer	USA	We are seeking a .NET Developer responsible for building and maintaining applications using .NET languages (C#, VB.NET). The ideal candidate will have experience with .NET framework, understanding of front-end technologies, and be capable of handling project requirements, developing and guiding solutions. This role involves designing, coding, debugging, and providing support for applications, ensuring system consistency and improving performance. Collaboration with internal teams to integrate new features and technology is key. Join us to contribute to our innovative projects and grow your expertise in a dynamic environment.	css, dotnet, java, ORACLE, Python	
Python Developer	USA	We are in search of a Python Developer responsible for building and managing software applications written in Python. The ideal candidate will possess deep knowledge of Python programming, including familiarity with various Python frameworks such as Django or Flask. This role demands an understanding of both front-end and back-end technologies, the ability to analyze project requirements, develop solutions, and guide projects from conception to completion. Responsibilities include writing efficient, testable, and reusable code, debugging applications, and enhancing system performance. Collaboration with internal teams to incorporate new features and technologies is essential. This is a fantastic opportunity to engage in diverse projects, push the boundaries of software development, and expand your skill set in a vibrant and challenging environment.	css, java, ORACLE	
Java Developer	USA	We are actively seeking a Java Developer to join our team, focusing on developing and maintaining applications using Java programming language. The ideal candidate should have a strong grasp of Java, including experience with various Java frameworks such as Spring and Hibernate. This role requires a solid understanding of object-oriented programming principles, proficiency in front-end technologies, and the ability to manage project requirements, devise solutions, and guide the development process. Key responsibilities include designing, implementing, and maintaining Java applications, ensuring code quality and system reliability. Additionally, the candidate will work closely with internal teams to integrate new functionalities and technologies, aiming to improve application performance and user experience. This position offers the chance to work on a wide range of projects, providing ample opportunities for technical growth and	java, php, SQL SERVER	

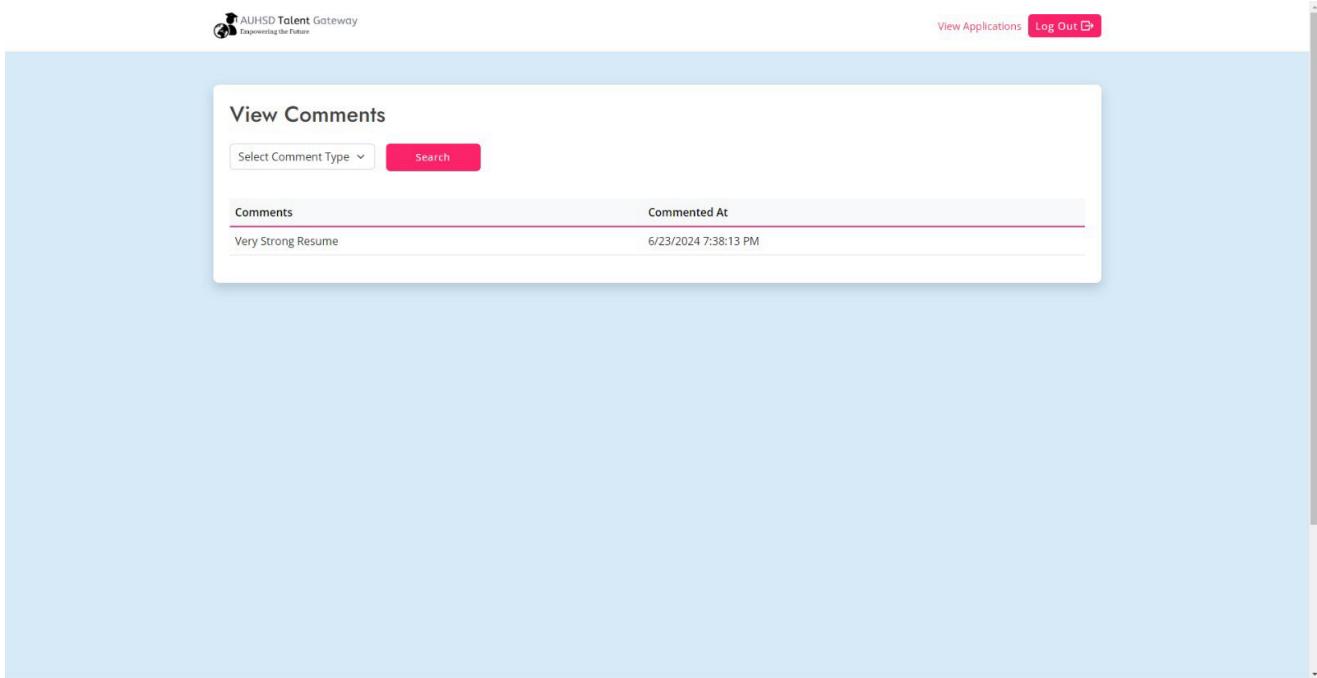
Company Name	<input type="text"/>
Cost To Company (CTC)	0
Offer Letter Body	<p>Dear &lt;FirstName&gt;,</p> <p>We are delighted to extend this offer of employment for the position of &lt;designation&gt; at the Anaheim Union High School District. We have been impressed by your background and skills, and we believe you will be a valuable addition to our team.</p> <p>Position Details:</p> <p>Designation: &lt;designation&gt;  Annual Compensation: &lt;OCTC&gt;  Start Date: &lt;DOJ&gt;</p> <p>Location:  You will be based at our office located at &lt;office address&gt;. Please report to the front desk upon arrival, and they will direct you accordingly.</p> <p>Next Steps:  Please take your time to review this offer. Should you choose to accept, we would appreciate a response at your earliest convenience.</p> <p>Contact Information:  Should you have any questions or need further clarification about the offer, feel free to contact us at auhsdtalentgateway@gmail.com. We are here to assist you through this process.</p>

[Create](#)

- The offer letter can be updated here

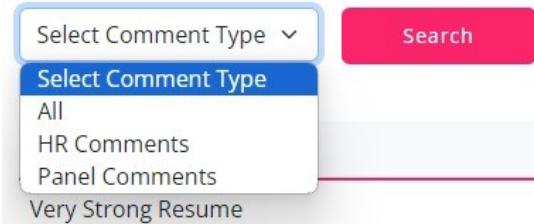
## 1.16 View Comments Page

3. HR and Interview Panel Users can view and filter comments by HR and Interview Panel Type for a user's job application on this page.



Comments		Commented At
Very Strong Resume		6/23/2024 7:38:13 PM

- The comment as well as the timestamp of the comment will be shown.



- HR or Panel Users can filter comments by the following characteristics:
  - o All
  - o HR
  - Comments
  - o Panel
  - Comments
- Upon clicking the search button, the table will populate to only show the desired comments.

## 1.17 Manage Users Page

This page allows super administrators to change the roles of the users. By pushing the edit role button, the super admin can change a user's role.

Name	Email	Username	Current Role	Actions
Dheeraj Koppu	dheerajkoppu@gmail.com	dheerajkoppu	user	<button>Edit Role</button>
	fblademo2023@gmail.com	dheerajkoppu1	admin	<button>Edit Role</button>
	ashvinkoppu@gmail.com	userpanel	panel	<button>Edit Role</button>
	abccchandana@gmail.com	userhr	hr	<button>Edit Role</button>
	anand.trupti.kanishka@gmail.com	useradmin		<button>Edit Role</button>
	fblademoauhsd@gmail.com	user5	admin	<button>Edit Role</button>
	ckoppu@gmail.com	user6	hr	<button>Edit Role</button>
	awesomemarshmallowpopcorn@gmail.com	user7	panel	<button>Edit Role</button>
	awesomebabycreeper11@gmail.com	user8	user	<button>Edit Role</button>
	auhsdtechequity@gmail.com	user9		<button>Edit Role</button>
Siva	koppubills@gmail.com	sivamcasw	user	<button>Edit Role</button>
	theupliftproject24@gmail.com	sivamcasw1	user	<button>Edit Role</button>
	sivamcasw@gmail.com	sivamcasw@gmail.com	user	<button>Edit Role</button>
	schoolboostfbla@gmail.com	schoolboostfbla@gmail.com	user	<button>Edit Role</button>

## Edit Role

Full Name	Dheeraj Koppu
Email Address	dheerajkoppu@gmail.com
Username	dheerajkoppu
Role	-Select-
<button>Assign</button> <button>Cancel</button>	

- A user's role can be updated by clicking on the dropdown. They can select between the following:
  - User
  - Superadmin
  - Admin
  - Hr
  - Panel



## 1.18 Usage Tips

In addition to the information regarding various features listed above, there are a handful of useful tips to know when using our application that will vastly improve your experience.

- To access the majority of program features, users must create an account.
- Users cannot become administrators automatically; administrator access must be manually granted by an authorized backend user.
- Users cannot delete their account; accounts may only be deleted by an authorized backend user.
- Clear your browsers cache to get rid of autofill entries anywhere throughout the program.

## 2. Source Documentation

### 2.1 Sources

Our application makes use of various files, libraries, and images.

- The icons and template used in our program have been created from scratch by our team.
- All program functionality, including but not limited to features, functions, and logic, have been created from scratch by our team.
- All images used throughout the program, including the AUHSD Talent Gateway logo and user pictures, have been created by me.
- As necessary, we have imported libraries from Visual Studio to help support various program features and functions.

### 2.2 Image Documentation

Our application makes use of attraction images, application logos and icons.

- Program Design/Icons
  - Credits to team members for image use
  - Available to our project for free use
  - All rights belong to original author
- Logo image
  - Credits to team members for image use
  - Available to our project for free use
  - All rights belong to original author

### 2.3 Licenses

Our application makes use of various programs, libraries, and modules. We used such resources under specific rules and licenses, of which are outlined below.

- **Visual Studio:** Visual Studio is a software development tool and platform offered by Microsoft. It is used for developing applications for various platforms and programming languages. The program and its releases are open source, and it is also compatible with the GPL license, which guarantees users the freedom to run, study, share, and modify.
- **Microsoft:** The program uses imported libraries from Microsoft, which are subject to their own licensing agreements.
- **Microsoft SQL Server Management Studio:** Microsoft SQL Server Management Studio is a software application used for managing SQL Server databases. It is a programming tool for the back end and can be used to develop SQL Server applications.
- **DotNet:** DotNet is a widely used programming language and framework developed by Microsoft. It is publicly available and commonly used for developing Windows applications and web services.

- **OpenAI:** OpenAI (Open Artificial Intelligence) is an artificial intelligence research organization focused on developing and promoting friendly AI that benefits humanity as a whole. Its APIs are publicly accessible and are paid to use.

## 3. System Requirements

### 3.1 Windows

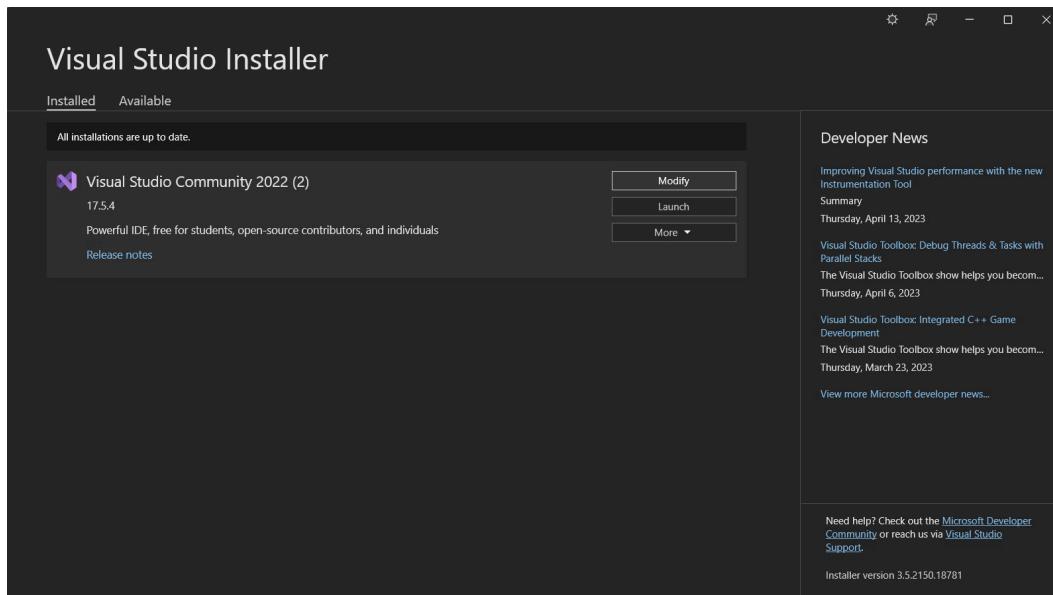
- Operating system must be **Windows 10** or above. This program is designed to be used on various screen sizes and is user-responsive.
- Device must be able to install all of the necessary programs and libraries.
- Device must have at least **2 GB of RAM**.
- Device must have at least **800 MB of storage space**.

# 4. Requirements and Accessibility

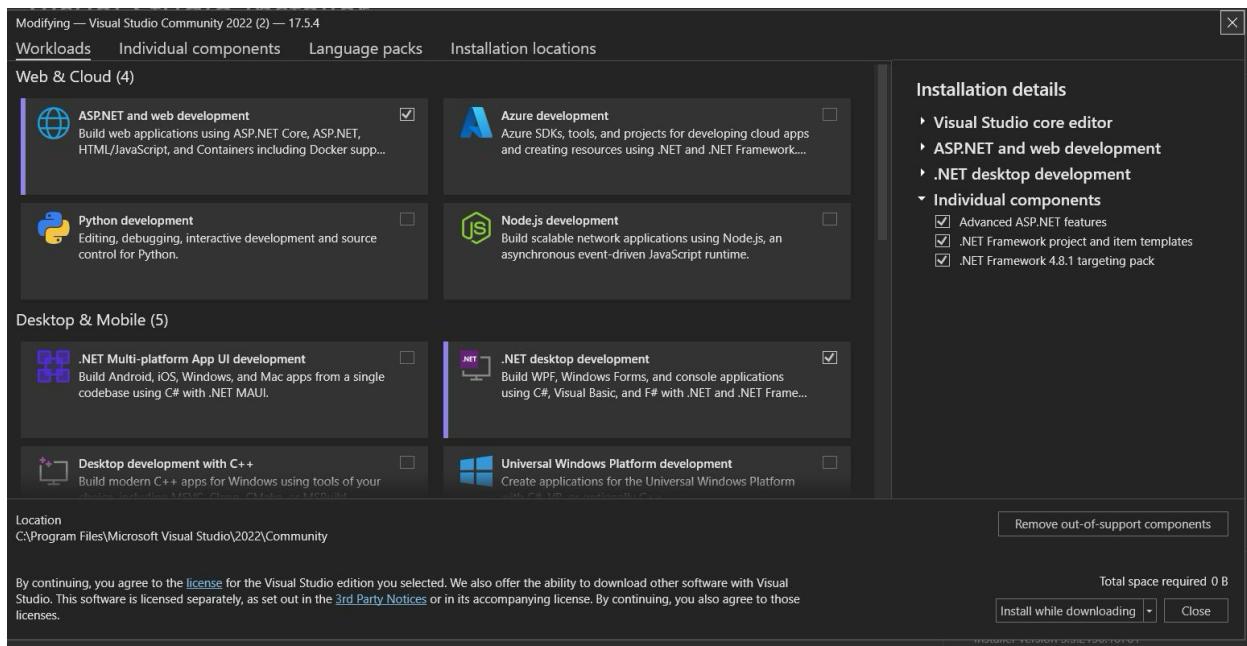
## 4.1 Application Required Programs

In our application, various programs and libraries are utilized. For the code to properly run, all the following must be properly installed and functioning.

- .Net, v4.7.2
  - .NET is a free, open-source, cross-platform development framework used for building applications on Windows, Linux, and macOS. It supports multiple programming languages and provides a vast library of pre-built components and tools, making it easier to develop, test, and deploy applications.
  - To install .Net:



■ Upon opening the Visual Studio Installer, click on 'Modify'



- Select all the .Net options and follow its instructions until completion.
  - Visual Studio v.17.10.3
    - For this project, Visual Studio was used for the development of the application.  
To find the system requirements and installation process:  
<https://learn.microsoft.com/en-us/visualstudio/install/installvisualstudio?view=vs-2022>
    - To install Visual Studio:
      - Head to the official homepage for Visual Studio.
- The screenshot shows the official Microsoft Visual Studio download page. It features four main sections for different editions: Community (free download), Professional (free trial), Enterprise (free trial), and Preview (Get early access to latest features). Below these are sections for Visual Studio for Mac (Free download) and Visual Studio Code (Free download). Each section includes links for Release notes, Learn more, and Compare Editions.
- Download the Visual Studio installer and follow its instructions until completion.
  - SQL Server Management Studio v19.0
    - Microsoft SQL Server Management Studio (SSMS) is a powerful tool used for managing and administering Microsoft SQL Server databases. It provides a user-friendly interface for database developers and administrators to interact with their databases, create queries, and perform various maintenance tasks. SSMS allows users to create, modify, and delete databases, tables, stored procedures, views, and more. It also provides powerful debugging, tracing, and profiling tools to help users troubleshoot issues and optimize their databases.
    - To find the system requirements and installation process:  
<https://learn.microsoft.com/en-us/sql/ssms/downloadssqlserver-management-studio-ssms?view=sql-server-ver16>
    - To install SQL Server Management Studio: ■ Open the link shown above.

# Download SSMS

[Free Download for SQL Server Management Studio \(SSMS\) 19.0.2 ↗](#)

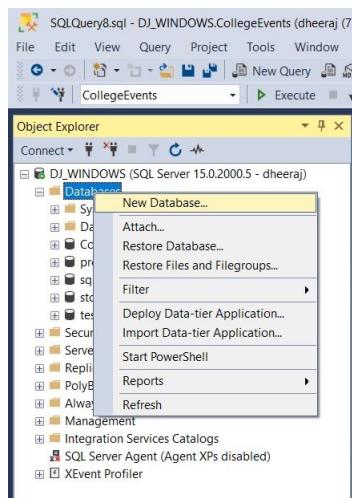
SSMS 19.0.2 is the latest general availability (GA) version. If you have a *preview* version of SSMS 19 installed, you should uninstall it before installing SSMS 19.0.2. If you have SSMS 19.x installed, installing SSMS 19.0.2 upgrades it to 19.0.2.

- Release number: 19.0.2
- Build number: 19.0.20209.0
- Release date: March 13, 2023

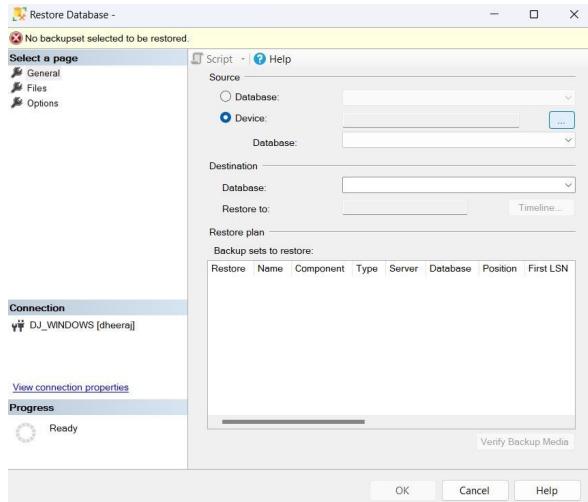
■ Click on ‘Free Download for SQL Server Management Studio (SSMS) 19.0.2’ and follow the following prompts for installation. To add all the necessary SQL tables into the program:



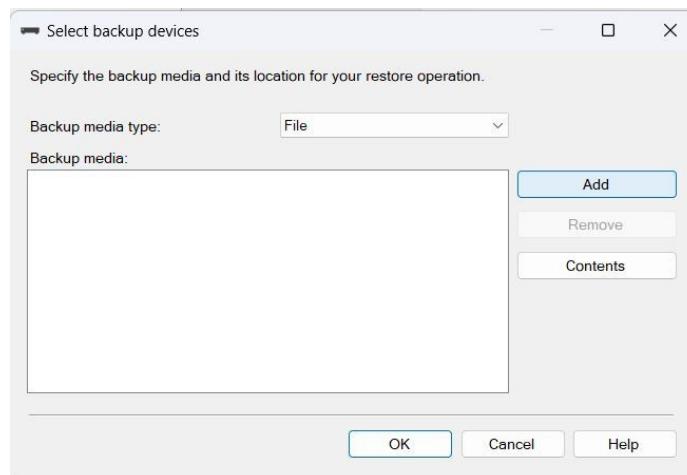
1. Connect to the SQL Server with your credentials.
2. Create a New Database called ‘Job Portal’ in SQL Server Management Studio



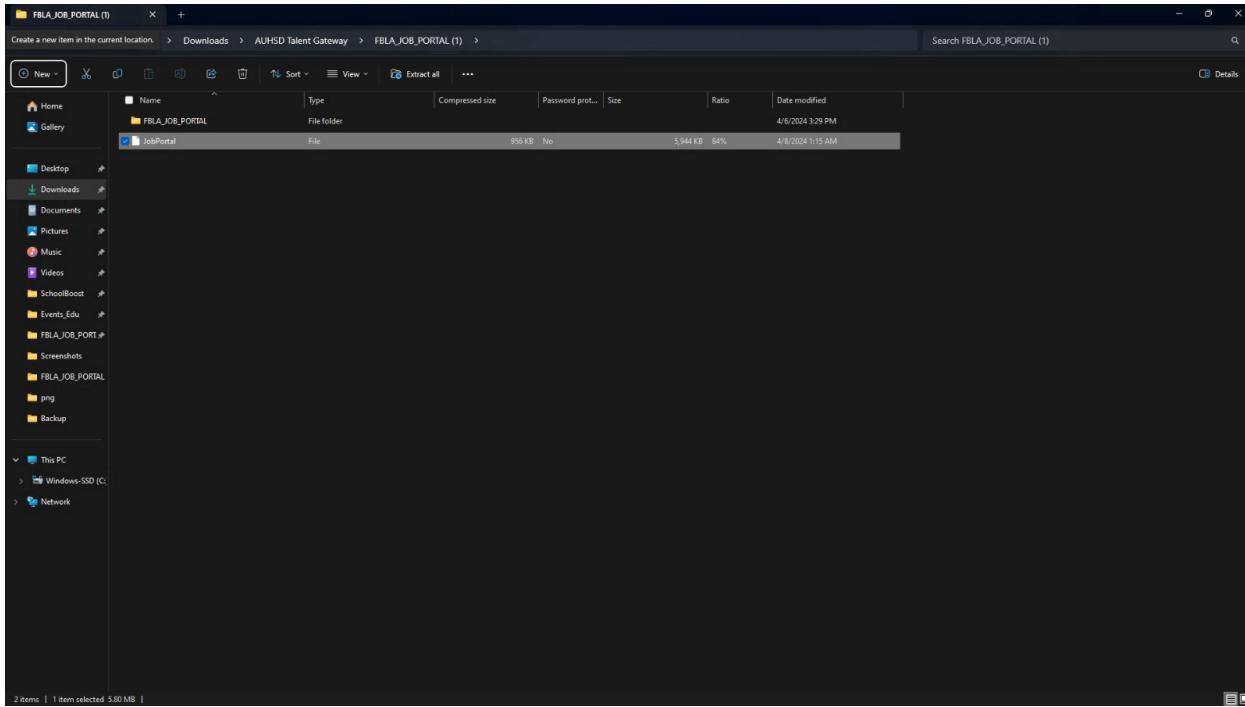
3. Right Click on Databases and Select Restore Database



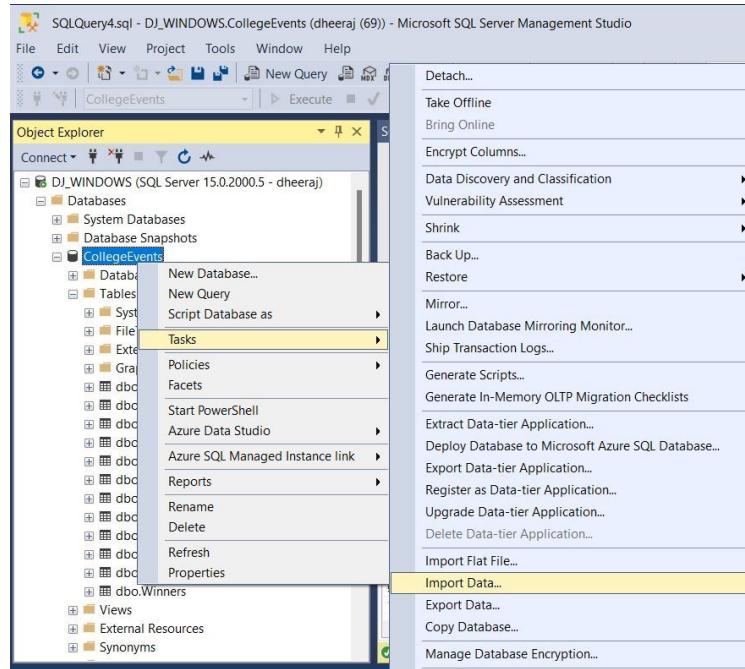
4. Select Device for the source and click on the '...' button.



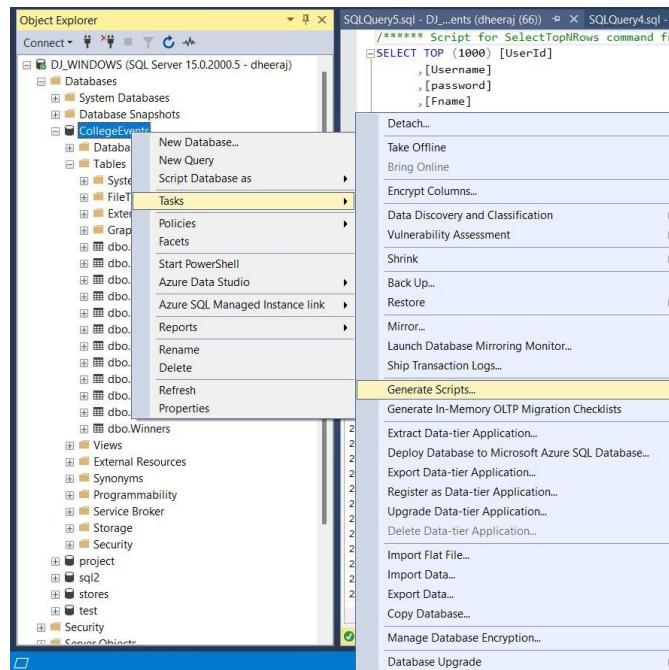
5. Select 'Add' for the source and click on the '...' button and navigate to the path of the SQL backup.



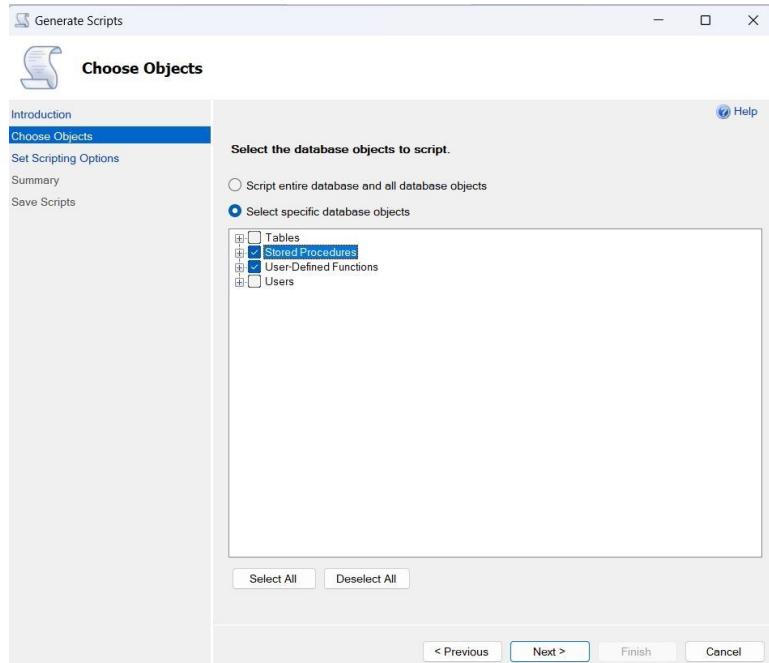
- Typically, the path would be  
`'C:\Users\<YOUR_USERNAME>\Downloads\AUHSD Talent Gateway\FBLA_JOB_PORTAL\JobPortal'`
- Click 'Ok' and 'Ok' again and follow the prompts to create the database.
  - If you would like to erase all the data from the tables, use the command 'truncate <TABLE NAME>' on every table.
  - Users can also activate backups of the database by connecting the database to an Azure account by doing the following:
  - Open up Azure Portal and buy a Database
  - Copy the login credentials and login to the SQL Server.
  - During the first time, to copy data to the SQL Server, do the following:



- Right Click on your local database and go to Tasks and Click Import Data.
- Follow the remaining prompts and copy all tables.
- To Import Stored Procedures



- Right Click on your local database and go to Tasks and Click Generate Scripts.



- Only Script Stored Procedures and User-Defined Functions.
- Follow the remaining prompts and paste it into the cloud database.

```

<?xml version="1.0" encoding="utf-8"?>
<configuration>
    <connectionStrings>
        <add name="CollegeEventsConnectionString" connectionString="<!-- providerName='System.Data.SqlClient' -->" />
    </connectionStrings>
    <runtime>
        <assemblyBinding xmlns="urn:schemas-microsoft-com:asm.v1">
            <dependentAssembly>
                <assemblyIdentity name="System.Runtime.CompilerServices.Unsafe" publicKeyToken="b03f5f7f11d90a3a" culture="neutral" />
                <bindingRedirect oldVersion="0.0.0.0-5.0.0.0" newVersion="5.0.0.0" />
            </dependentAssembly>
        </assemblyBinding>
    </runtime>
</configuration>

```

- To establish a connection between Dotnet and SQL, update the connection string ID within the Web.Config file with your own login credentials.

```

55    1 reference
56    public static void SendEmail(string recipientEmail, string subject, string body, string attachmentFilePath)
57    {
58        try
59        {
60            MailMessage message = new MailMessage();
61            SmtpClient smtp = new SmtpClient();
62            message.From = new MailAddress("schoolboostbla@gmail.com");
63            message.To.Add(new MailAddress(recipientEmail));
64            message.Subject = subject;
65            message.IsBodyHtml = true; // To make message body as HTML
66            message.Body = body;
67
68            // Attach the file
69            if (!string.IsNullOrEmpty(attachmentFilePath))
70            {
71                Attachment attachment = new Attachment(attachmentFilePath);
72                message.Attachments.Add(attachment);
73            }
74
75            smtp.Port = 587;
76            smtp.Host = "smtp.gmail.com"; // For Gmail host
77            smtp.EnableSsl = true;
78            smtp.UseDefaultCredentials = false;
79            smtp.Credentials = new NetworkCredential("auhsdtalentgateway@gmail.com", "");
80            smtp.DeliveryMethod = SmtpDeliveryMethod.Network;
81            smtp.Send(message);
82        }
83        catch (Exception ex)
84        {
85            // Handle exception
86        }
87    }
88}
89
90

```

- To send emails to users, update the email and password with your own respective username and password in the CommonMethods.cs file.

```

1630 string FullName = userid + "_Resume";
1631 for (int i = 0; i < Request.Files.Count; i++)
1632 {
1633     var file = Request.Files[i];
1634     string FileExt = Path.GetExtension(file.FileName);
1635     FullName = FullName + FileExt;
1636     string path = Path.Combine(Server.MapPath("~/Resumes"), FullName);
1637     file.SaveAs(path);
1638     var textBuilder = new StringBuilder();
1639
1640     using (PdfReader reader = new PdfReader(path))
1641     using (PdfDocument pdfDoc = new PdfDocument(reader))
1642     {
1643         for (int page = 1; page <= pdfDoc.GetNumberOfPages(); page++)
1644         {
1645             var strategy = new SimpleTextExtractionStrategy();
1646             string text = PdfTextExtractor.GetTextFromPage(pdfDoc.GetPage(page), strategy);
1647             textBuilder.Append(text);
1648         }
1649     }
1650     ChatClient client = new(model: "gpt-4o", "sk-proj-OPENAIKEY");
1651
1652     string prompt = @"
1653 You are a professional resume reviewer. Your task is to review resumes and provide a detailed analysis. For each resume, identify and list the pros and cons, and give it a rating out of 10 for overall
1654 1. Pros:
1655 - List positive aspects of the resume, such as relevant experience, clear formatting, strong skills, or notable achievements.
1656 2. Cons:
1657

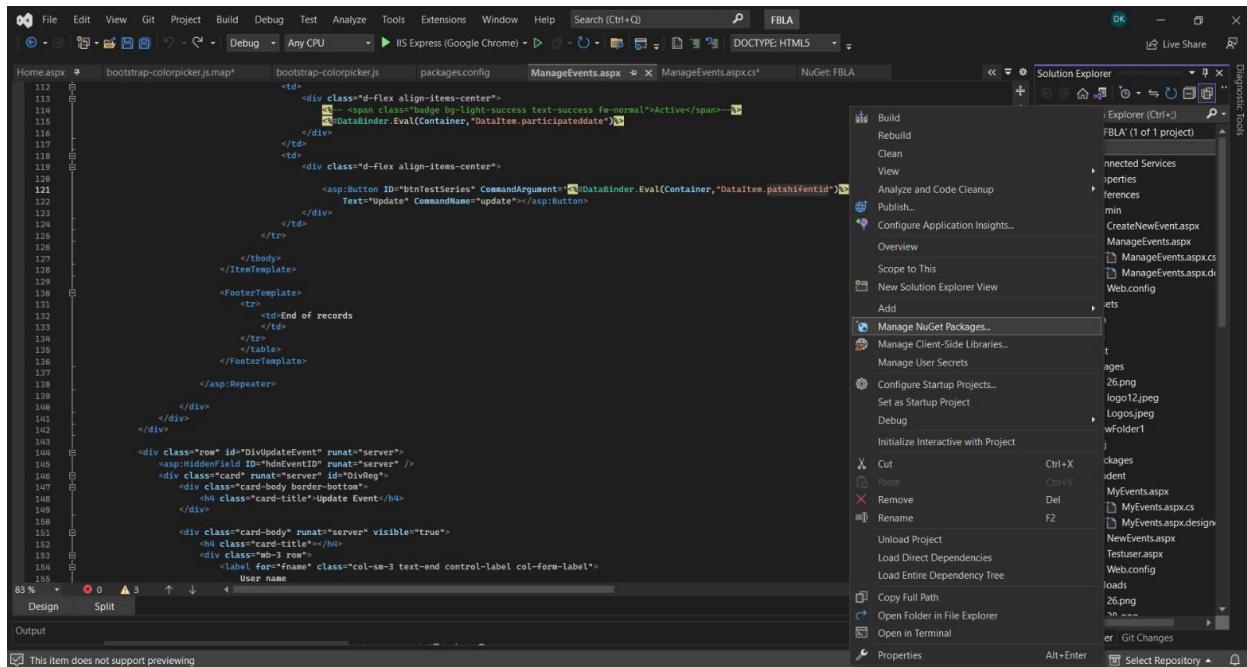
```

- To use the ChatGPT API Resume Review Functionality, replace “skproj-OPENAIKEY” with your designated API Key from OpenAI.
- To create an API Key, navigate to <https://platform.openai.com/apikeys> and create an API Key. To use “GPT-4o” you must place at least \$5 in credits into your OpenAI Account.

## 4.2 Packages and Modules

- Microsoft Addons

- These external libraries were used to provide additional functionality such as text extraction from PDF's, encrypting passwords, and more.
- To install the libraries:
  - Open the source in Visual Studio (see 4.3)



■ Right Click on the project name and click Manage NuGet Packages ■

In the Browse Section, install the following if not already installed: ■

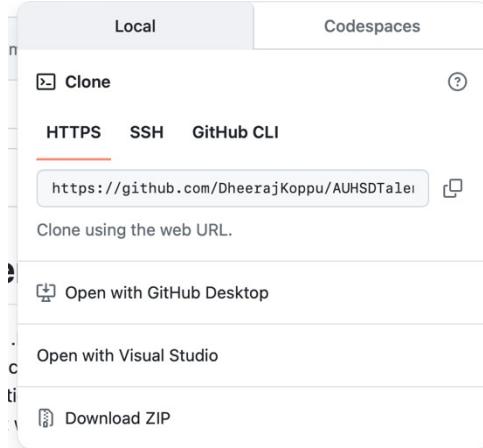
Antlr

- Azure.AI.OpenAI
- Azure.Core
- bootstrap
- CountryData
- OpenAI
- NUnit
- jQuery
- iText
- Modernizer
- PdfSharp
- Polysharp
- Rotativa
- TOTP
- Otp.NET
- PagedList

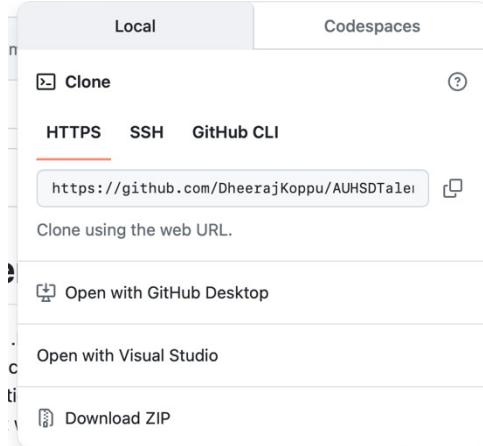
## 4.3 Accessing Source Code

- All necessary files for the application are stored on GitHub, a hosting site for project management and version control. The source code includes everything related to running our application and SQL tables as well. Commentary is provided to assist the process of running the source code.

- To access the source code and open it on your own device, several approaches can be taken.
  - a. Clone the code from GitHub onto your local Visual Studio. This can be done:
    - i. Through the [github.com](#) interface. The link to our GitHub repository can be found [here](#).



- b. Download the zip file from GitHub and open them in your local IDE.



- i. Download the ZIP file with all program files and unzip.

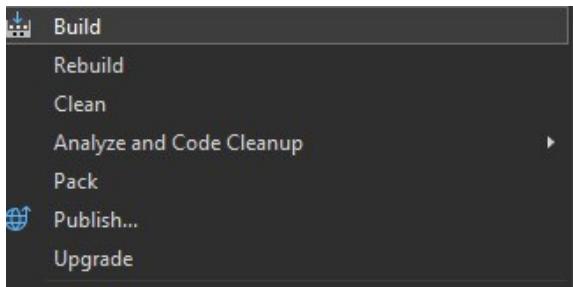
Favicon	ICO File	81 KB	No	203 KB	61%	4/6/2024 12:53 PM
FBLA_JOB_PORTAL.csproj	C# Project File	5 KB	No	31 KB	85%	4/6/2024 9:33 PM
FBLA_JOB_PORTAL.csproj.user	Per-User Project Options File	1 KB	No	3 KB	70%	4/6/2024 3:17 PM
FBLA_JOB_PORTAL.sln	Visual Studio Solution	1 KB	No	2 KB	61%	4/6/2024 3:17 PM
Global.asax	ASP.NET Server Application	1 KB	No	1 KB	7%	4/6/2024 3:17 PM

- ii. Navigate to FBLA\_JOB\_PORTAL.sln located in "C:\Users\<YOUR\_USERNAME>\Downloads\AUHSD Talent Gateway\FBLA\_JOB\_PORTAL\FBLA\_JOB\_PORTAL.sln"
  - This file path assumes the zip file has been downloaded to the downloads folder.
  - iii. Navigate to "FBLA\_JOB\_Portal.csproj" and open it with Notepad and add the following line

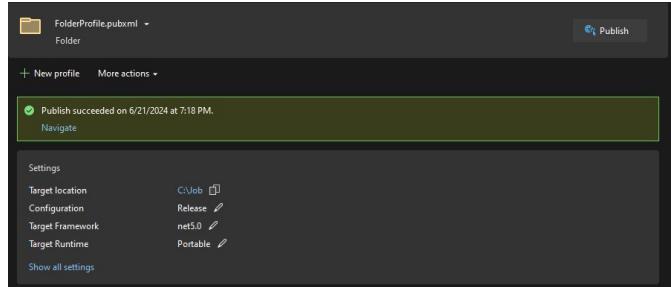
“<LangVersion>latest</LangVersion>” insive a <PropertyGroup> tag and save the file.

## Install Fbla.Jobs

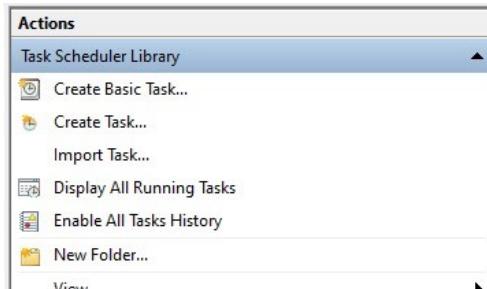
1. Navigate to Fbla\_Jobs.sln located in "C:\Users\<YOUR\_USERNAME>\Downloads\AUHSD Talent Gateway\Fbla\_Jobs\Fbla\_Jobs.sln"



2. Right Click on the project name and click “Build” and “Publish”



3. Choose a target location on your computer for the file to be published to



4. Open Task Scheduler and click on “Create Basic Task” and name it “FBLA Jobs”
5. Choose the trigger to be daily and choose what time you want it to occur at
6. Choose “Start a Program” as the action
7. Click Browse and choose the Batch File where you published the Fbla\_Jobs program to.
8. Click Finish

With all that, all the source code and programs should be available and working on your own device.

## **5. Program Architecture**

### **5.1 Program Structure**

- Our application makes use of various technologies to track event participation to the user in a visual application. Additional intelligent features are also supported.
  - The application's home page provides access to the menu bar and description, allowing users to navigate to other program sections.
  - Access to certain pages within the application may require user authentication, while others are available to all users.
  - Upon logging in as a user, the User Home page is loaded with personalized data, such as achievements, details, certifications, and more.
  - The Admin Page allows Administrators to Post Job Openings.
  - The HR and Interview Panel Pages Allow to Interview Candidates and Offer Jobs.
  - The User Admin Page allows to edit the roles of every user in the program.
- The program is designed to enhance stability and security. It incorporates numerous try-catch blocks to handle invalid user inputs and unexpected actions, alongside conditional statements that restrict access to certain parts of the program without the necessary clearance.

### **5.2 Module purposes**

- Different modules and libraries are imported with the goal of enhancing our application and improving the user's experience. Each respective library has a specialized purpose.
  - Creation of application and its architecture (Microsoft SQL Server Management Studio, .Net v4.7.1)
  - Improving user experience and elevating program functions (SQL Server Management Studio v19.0)
  - Artificial Intelligence Features – Resume Review (OpenAI API)

## **6. Version History**

### **6.1 Previous Version(s)**

- 1.0
  - Basic ability with limited error notifications
  - Limited functionality
  - Admins have limited functionality over the website controls
  - No email verification/functionality
- 2.0
  - Improved consistency throughout the tables displayed in the program.
  - Revised the available pages accessible from the menu bar.
  - Implemented daily SQL backups and hosting using Microsoft Azure.
  - Added a Frequently Asked Questions Page.
  - Added an About AUHSD Page.
  - Enhanced Design Significantly.
  - Added a New Logo
  - Added the Ability for Users to Upload a Picture and Video.
  - Added Numerous Validators for Common Tasks.
  - Extended Email Functionality.
  - Added a Job Offer Template Page

### **6.2 Current Version**

- 3.0
  - Added the option to sign in via Google and LinkedIn for added user convenience.
  - Implemented Paging functionality to tables.
  - Incorporate Bootstrap Validators throughout the program.
  - Added AI-Powered Resume Review.
  - Made User Interface Design more cohesive throughout the program.
  - Added more references to AUHSD wherever details were used from them.
  - Added more questions to the FAQ Page as well as a search button.
  - Added timestamps for HR and Panel Comments.
  - Added emails for applying for a job, resume review, receiving an offer letter, and more.
  - Added automatic backup functionality to take SQL Backups Daily.
  - Added Jobs to send emails to users recommending jobs to apply to automatically daily.
  - Added more details to be collected when clicking “Apply” to a job.
  - Added Arrow to return to the top of a page.

- Added more validators and try-catch blocks for common errors.
- Added if statements to prevent accessing certain pages without valid clearance.
- Added a logs table where all errors to the program are added into, which are then emailed to the administrators of the program.
- Added comments for all Stored Procedures in SQL Server and Controllers in the ASP.NET Side of the program.
- Improved usability with a variety of screen sizes.

### **6.3 Future Versions**

- Make the website hosted on a web server.
- Increase user data protection and security.
- Increase performance.
- Implement the Forgot Password Functionality.
- Increase code efficiency
- Allow administrators to delete users through frontend
- Improve aesthetics of application.
- Usability across all 3 major operating systems (Windows, macOS, and Linux).