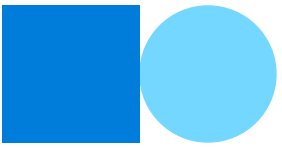


CLIMB

CAREER LADDER IMPROVEMENT & MANAGEMENT BOT

Presented for Azure AI Developer Hackathon 2025



TEAM MEMBERS

- **R S KIERTHANA**

GitHub: [/KierthanaRS](#)

LinkedIn: [in/kierthana-rajesh-8b8b42256](#)

- **PRIYANKA S**

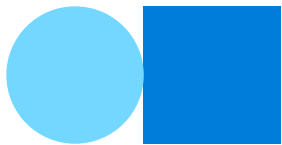
GitHub: [/PRIYANKAS3110](#)

LinkedIn: [in/priyanka-s-4b324b26b](#)

- **S RAMYA**

GitHub: [/ramya487](#)

LinkedIn: [in/ramya467](#)

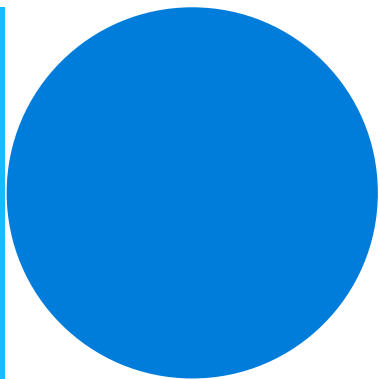




PROBLEM STATEMENT

Employment Readiness & Professional Development

Job seekers often struggle with **crafting effective resumes, generating tailored cover letters, and preparing for interviews with relevant, job-specific questions**. The absence of **job specific preparation, automated feedback, and intelligent question generation** makes the process inefficient and time-consuming, leading to missed opportunities in competitive hiring environments. A solution is needed to streamline **resume analysis, interview preparation** ensuring candidates are better equipped for job applications and assessments.



PRESENTED SOLUTION

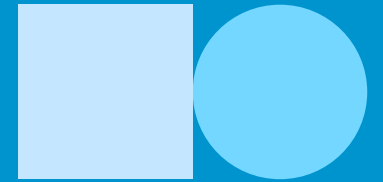
The solution is an **AI-powered job preparation platform** that analyzes resumes, generates interview questions, and creates personalized cover letters. It provides targeted assessment questions and insights to enhance job preparation and interview readiness.

It is built on using azure services such as Azure Blob storage, Azure Document Intelligence, Azure AI Foundry, Azure .NET SDK, Azure App Service etc..

The application was developed using **GitHub Copilot in VS Code**, which assisted in **code generation, debugging, and optimizing logic**, streamlining development and improving efficiency. It provided intelligent suggestions, reducing manual effort and accelerating development.



FEATURES



Resume Evaluation – Analyzes resumes to provide structured feedback, ATS Score and areas for improvement.

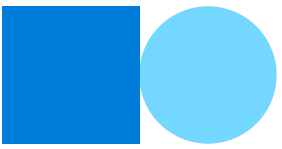
Resume-Based Q&A – Extracts information from the resume and generates relevant interview questions for preparation.

Topic-Based Interview Preparation – Generates customized interview questions based on specific topics to help users practice effectively.

Cover Letter Generation – Creates personalized cover letters aligned with the user's resume and job application, with a copy-to-clipboard feature for easy use.

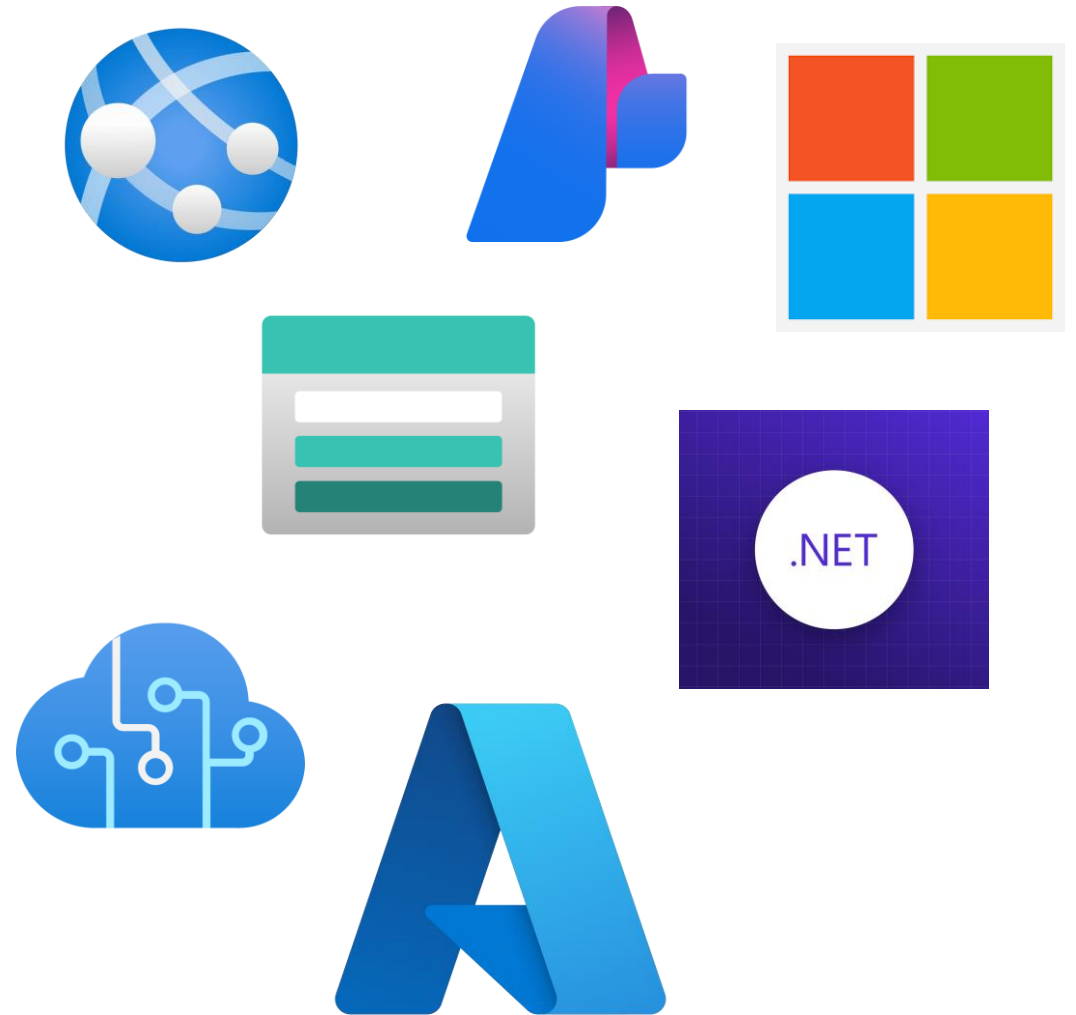
Online Assessment (OA) Questions – Retrieves and displays predefined company-specific OA questions to help candidates prepare for technical screenings.

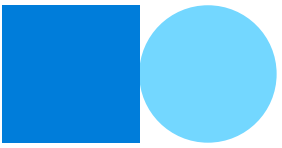
Insights – Provides feedback regarding the correctness of the answers thus given by the candidate to improve their performance in actual interviews



AZURE SERVICES USED

- Azure App Service
- Azure Storage Account
- Azure Blob Storage Container
- Azure Document Intelligence
- Azure AI Foundry
- Azure .NET SDK



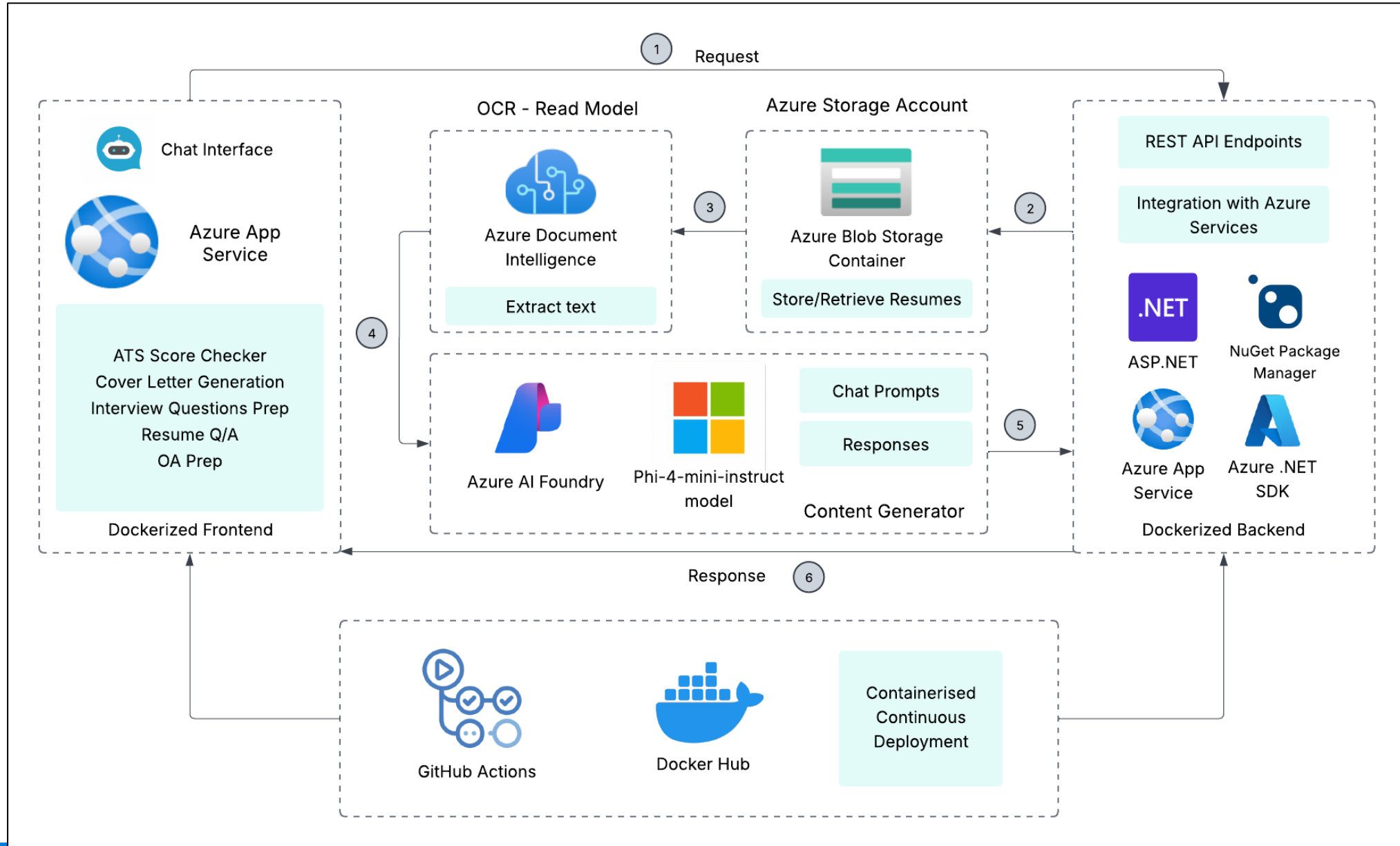


TECH STACK & TOOLS USED

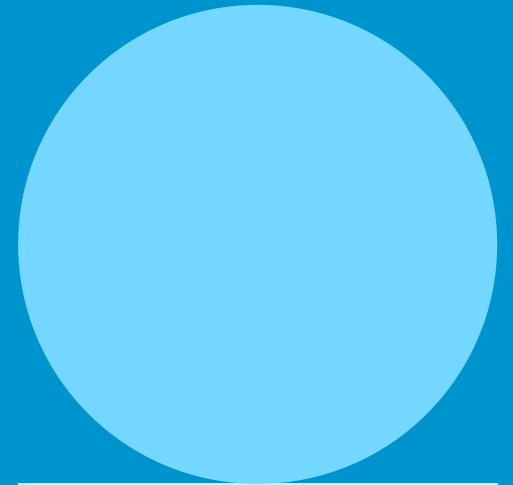
- Next.js
- Tailwind CSS & Material UI
- ASP.NET Core
- NuGet Package Manager
- Docker
- Docker Hub
- Git and GitHub
- GitHub Actions
- GitHub Copilot with VS Code



ARCHITECTURE



SCREENSHOTS OF FUNCTIONING



Resume Assistant for ATS Score checking and suggesting improvements to the Resume

Features

Resume Correction

ResumeQA

Cover Letter Generation

Interview Questions

OA Practice

© 2025 CLIMB



Resume Assistant



Hello! Upload your resume, and I'll help you analyze it.

Uploaded file: Mahalakshmi_Resume.pdf



ATS Score: 85/100

Resume Suggestions:

Contact Information Placement: Move the contact information (email, phone number, and location) to the top of the resume, before the education section, to ensure it is easily scanned by ATS.


Education Section: Use a consistent format for the education section with headings for each degree, institution, and graduation details. List the degrees in reverse chronological order.


Professional Experience Section: Use bullet points for each job responsibility, and start each point with action verbs like "Developed," "Coordinated," "Oversaw," and "Served." Use consistent formatting, such as "Role, Company Name, Location, Dates of Employment."


Personalized interview questions based on experience, projects, skills that are mentioned in the Resume


Features


- Resume Correction
- ResumeQA**
- Cover Letter Generation
- Interview Questions
- OA Practice


 **Resume Q&A Assistant**


 Uploaded file: Mahalakshmi_Resume.pdf


 Received your resume: Mahalakshmi_Resume.pdf. Click "Start Test" when you're ready to begin.

 Alright!! Starting Resume based Interview Questions test


 How many years of experience do you have as an Academic Coordinator in Secondary Schools?

 I have 4 years of experience as an Academic Coordinator in secondary schools, overseeing curriculum planning, teacher coordination, and student development.

 The candidate answered, "I have been serving as an Academic Coordinator for 3 years in secondary schools." As an Academic Coordinator, the role typically involves coordinating academic programs, curriculum, and assessments, rather than directly managing secondary school staff. The role might also vary depending on the institution. A more accurate response would be, "I have been coordinating academic programs, curriculum development, and assessments for 3 years in secondary schools."

 Can you describe your role and responsibilities as the Head of Department for Tamil in Sairam Vidyalaya CBSE School?

☐ End Test



© 2025 CLIMB

Customized Cover Letter generation on the Job Title, Job Description and Resume Context

Features

Resume Correction

ResumeQA

Cover Letter Generation

Interview Questions

OA Practice

© 2025 CLIMB

Cover Letter Generation

Enter Job Title

Received Job Title : software developer

Enter Job Description

Received Job Description : develop scalable ...

Upload your Resume

Received File : Mahalakshmi_Resume.pdf

Now, you can go ahead and submit to generate cover letter

Generate Cover Letter →

Equipped with Copy to Clipboard feature for ease of use

Features

- Resume Correction
- ResumeQA
- Cover Letter Generation
- Interview Questions
- OA Practice

© 2025 CLIMB

Cover Letter Generator

Enter Job Title

Received Job Title

Enter Job Description

Received Job Description


Upload your Resume

Received File : Ma

Now, you can go

Cover Letter

Copy to clipboard



Dear Hiring Manager,

I am writing to express my interest in the software developer position at your esteemed company. With a strong educational background and extensive teaching experience, I am confident that my skills and passion for technology and education align well with the job description of developing scalable and efficient software systems.

I hold a Bachelor of Arts in English from Chellammal Women's College, Madras University, and a Master of Arts in the same field from the same institution. My academic performance has consistently been at the top of my class, demonstrating my dedication and passion for learning. I have also completed my Higher Secondary Education (HSC) and Secondary Education (SSLC) from Alwarpet Higher Secondary School, Chennai.

In my professional career, I have honed my skills in handling secondary school students, leading academic programs, and maintaining high standards in student performance. I have worked as an Academic Coordinator and Tamil Teacher, where I have taught and mentored over 15 years. My experience spans across secondary and middle school education, where I have successfully achieved 95% and above results in Class X board examinations, with an

CANCEL

Topic specific interview questions for the job role along with feedback for the answers given by the candidate

Features

- Resume Correction
- ResumeQA
- Cover Letter Generation
- Interview Questions
- OA Practice

© 2025 CLIMB

Interview Assistant

Interview test is starting for the role: software developer, on the topics react and typescript

How do you approach building a large-scale application with React and TypeScript to ensure type safety and maintainability?

I use TypeScript for strict type safety, modular architecture, reusable components, Context API or Redux for state management, and ESLint/Prettier for code quality in large-scale React applications.

The answer is correct, it provides a good overview of best practices for building scalable and maintainable applications with React and TypeScript.

How do you utilize TypeScript's advanced types and utility types to enhance the reliability and maintainability of a React application?

I leverage TypeScript's advanced types (e.g., generics, mapped types, conditional types) and utility types (e.g., Partial, Pick, Omit) to enforce strict typing, improve code reusability, and ensure maintainability in React applications.

The answer accurately reflects the use of TypeScript's advanced and utility types to improve reliability and maintainability in React applications. It's concise and correct.

How can you effectively leverage TypeScript's utility types and generics to manage complex state and props structures in a large React application?

The Interview test has been ended. Thank you!!

Company specific Online Assessment questions for practice on coding assessment tests

Features

Resume Correction

ResumeQA

Cover Letter Generation

Interview Questions

OA Practice

Online Assessment Practice

Google

Amazon

Microsoft

Facebook

Apple

Google Practice Questions



NaN% Complete

Two Sum

[Solve on LeetCode](#)☐

Reverse Integer

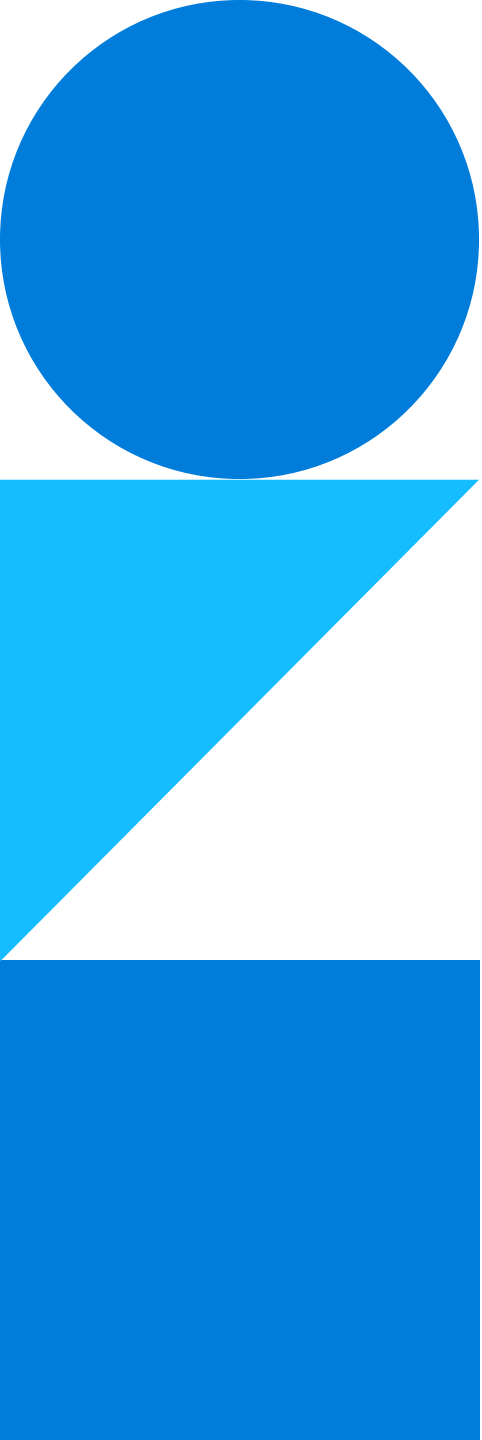
[Solve on LeetCode](#)☐

Median of Two Sorted Arrays

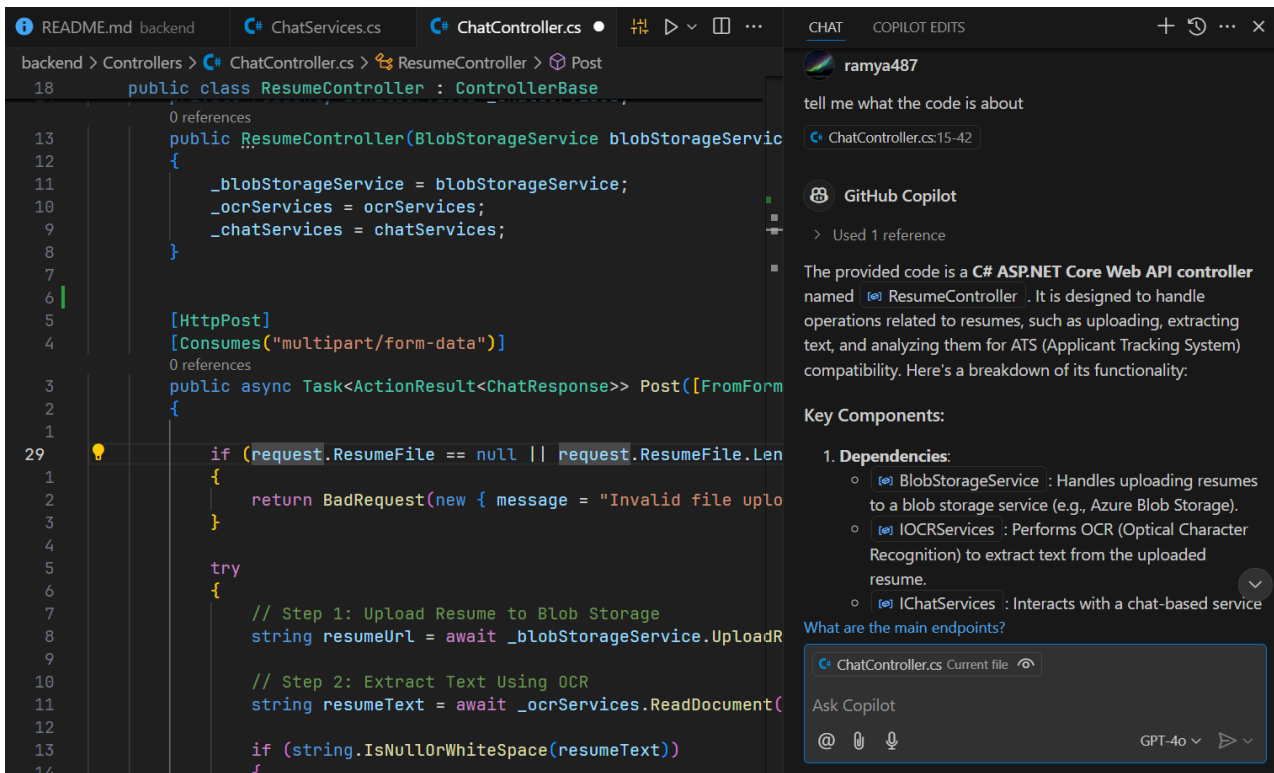
[Solve on LeetCode](#)☐

Longest Palindromic Substring

[Solve on LeetCode](#)☐

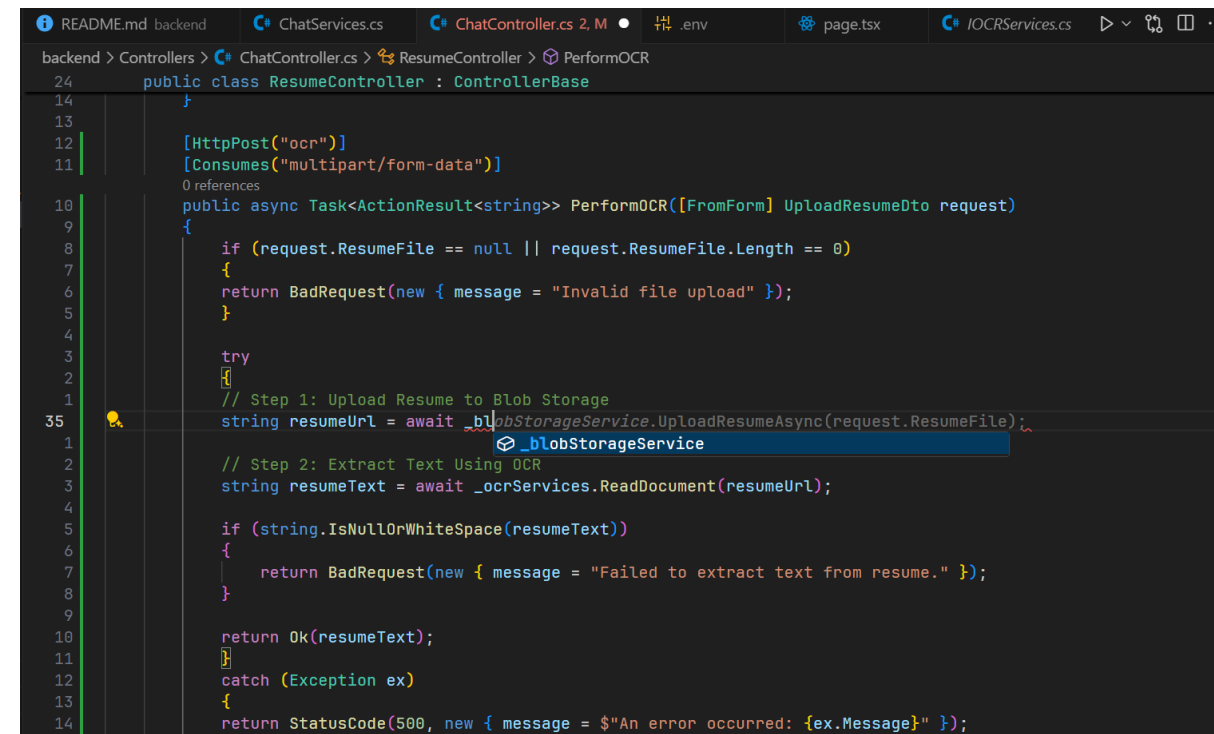


USING GITHUB COPILOT IN VS CODE



CHAT PANEL

Leveraged chat panel to ask Copilot for explanations, code suggestions, and debugging help.



CODE COMPLETION

Leveraged Copilot's autocomplete to speed up coding by predicting and generating code snippets.

```
18 public class ResumeController : ControllerBase
19 {
20     public async Task<ActionResult<string>> PerformOCR([FromForm] UploadResumeDto request)
21     {
22         if (request.ResumeFile == null || request.ResumeFile.Length == 0)
23         {
24             return BadRequest(new { message = "Invalid file upload" });
25         }
26
27         try
28         {
29             // Step 1: Upload Resume to Blob Storage
30             string resumeUrl = await _blobStorageService.UploadResumeAsync(request.ResumeFile);
31
32             // Step 2: Extract Text Using OCR
33             string resumeText = await _ocrServices.ReadDocument(resumeUrl);
34
35             if (string.IsNullOrEmpty(resumeText))
36             {
37                 return BadRequest(new { message = "Failed to extract text from resume." });
38             }
39         }
40     }
41 }
```

INLINE CHAT

Asked Copilot for coding assistance directly within the editor for instant improvements.

FIX ERRORS

Used Copilot to analyze and suggest fixes for bugs and errors in the code.

```
19 public class ResumeController : ControllerBase
20 {
21     public ResumeController(BlobStorageService blobStorageService, IOCRServices ocrServices, IChatServices chatServices)
22     {
23         _blobStorageService = blobStorageService;
24         _ocrServices = ocrServices;
25         _chatServices = chatServices;
26     }
27
28     [HttpPost("ocr")]
29     [Consumes("multipart/form-data")]
30     public async Task<ActionResult<string>> PerformOCR([FromForm] UploadResumeDto request)
31     {
32         if (request.ResumeFile == null || request.ResumeFile.Length == 0)
33         {
34             return BadRequest(new { message = "Invalid file upload" });
35         }
36
37         try
38         {
39             // Step 1: Upload Resume to Blob Storage
40             string resumeUrl = await _blobStorageService.UploadResumeAsync(request.ResumeFile);
41
42             // Step 2: Extract Text Using OCR
43             string resumeText = await _ocrServices.ReadDocument(resumeUrl);
44
45             if (string.IsNullOrEmpty(resumeText))
46             {
47                 return BadRequest(new { message = "Failed to extract text from resume." });
48             }
49         }
50     }
51 }
```



THANK YOU

<https://github.com/MS-Girls/CLIMB>

(Check out the GitHub Repository)