



SKILL-A-THON^{1.0}

NDEAR - ONDC EDUCATION & SKILLING HACKATHON

Submission

POWERED BY



National Digital Education Architecture
Digital Infrastructure for the education ecosystem

SUPPORTED BY



NASSCOM



Team and Member Details

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Team and Member Details

4. Challenge Category

- a. Challenge: Challenge 2 that is developing a provider/supplier-side interface (Beckn Provider Platform) using which a provider/supplier can publish (or list) an opportunity (or item) on the network.
 - i. Challenge Category 1 : **Mentors & Tutors**
 - ii. Challenge Category 2 : **Courses & Training**
 - iii. Challenge Category 3 : **Scholarship & Grants:**
 - iv. Challenge Category 4 : **Jobs & Internships**

Problem Statement

To develop a platform where a provider can publish an opportunity on the network. A user can circulate or publish them as well as their opportunities.

The opportunities will be one of the following four categories:

1. Provider as a mentor and tutor: A provider Register themselves and create their profile with all the details like their qualifications, charges, expertise, etc.
2. Provider as an employer: A provider is able to list all the job or internship opportunities for prospective applicants. They can shortlist the applicant based on their requirement or criterion when applicant successfully apply for them.
3. Provider as a course or training institute: A provider can register themselves as an institute, where they will be able to publish the courses they provide with all its details.
4. Scholarship and grant: A institute or NGO can facilitate the scholarship or grant to an applicant and select them on the basis of their criterion.

Solution

The platform will help to plethora of people who seeks mentorship, jobs, scholarships, courses, internship, etc. opportunities.

Solution

Our solution solves the problem by giving them platform to the providers to provide their services to the applicants like for employers to recruit employee, for mentors to provide session, for institute to provide their courses and for NGO/ institutes to provide the scholarships.

1. Mentors and tutors: Mentorship is very essential in many part of life. And it is very hard to get a proper mentor or tutor. This platform provides the solution to this problem. Mentors and tutors will be able to publish their profile with all their expertise, fees, session information. The provider will be able to respond to the applicant requests by provide the fee structure, T&C and session information. If satisfied, the applicant will be able to do payment to the provider.

2. Courses and Training: A course from a reputed institute gives necessary knowledge to succeed in that sector. Here, in this platform, it provides opportunities for both institute to list their course and applicants to enroll in them. Institute will be able to register and list their courses with details like course duration, mode (offline, online or hybrid), curriculum, etc. Most of the searching and booking facilities will be handled by Beckn API's. With the help of both BAP and BPP, the applicant can book and enroll in the course.

Solution

3. Scholarships and Grants: It happens many times that a students or scholars are unaware of any scholarship or grants opportunities, it becomes worse for students coming from financially weak or unstable background or scholars who want a grant. This platform will provide the opportunities for the student to apply for scholarships and grants from institutes or NGOs. Institute and NGOs will be able to enlist their scholarship with the relevant details like value, duration, type, eligibility criteria, documentation proof, mode, value etc. The BPP publishes and provides the T&C to applicants.

4. Jobs and Internship: Unemployment is a very dire issue in many countries. A skilled and employed person can provide a lot of values to a country economy. Many times it happens that employee is unaware of job or internship prospect floating in the market. This platform provides a way for employer and employee to achieve their goals. For employers, they can enlist their jobs or internships requirements, roles, salary, etc. And for employee to apply for that role. The BPP helps in publishing the job or internship and gives all the T&C to the employee who is applying for that role.

Solution

Tech Stack:

1. ReactJS and Tailwind CSS for UI
2. State management with Redux
3. Node.js and Express.js for backend
4. MongoDB for database
5. Firebase for authentication

Solution

Tech Stack:

1. Choosing ReactJS and Tailwind CSS is because both are popular and are very compatible to easy other to make UI's
2. Since the frequency of changes is very much more on the website, so Redux is suitable for handling advance state management.
3. Node.js is a runtime environment and Express.js is the framework used. Since both are JavaScript technologies, so it is easier for current and future developers to make any changes and scale the website.
4. MongoDB is a NoSQL database. It is known for its ease of use and speed. It is used here since it is very compatible with Express.js.
5. Firebase will be used for authentication, since it is easier to register and login with Firebase platform on the website.

Solution

Scalability, Usability and effectiveness:

The solution can be easily implemented by creating frontend with ReactJS, tailwind CSS and Firebase and respective backend with MongoDB, node.js and express.js and with Beckn API's. Effective of solution is correlated with how much people are properly using the services, with the help of proper feedback and survey we can estimate the effectiveness of the platform.

The solution is quite scale since ReactJS and Express.js is used as both frontend and backend. For a much larger and complex app, typescript can replace JavaScript, helping in much stricter control over the codebase of the website. The backend can also be divided into microservices so that if suppose one page like scholarship section fails, then it will not cause the downtime to the whole website. Like this, Next.js can also be used if we want to do server side rendering, etc. The scope for scalability is huge and implementing new ideas in the near future is quite feasible.

Methodology/ Architecture Diagram

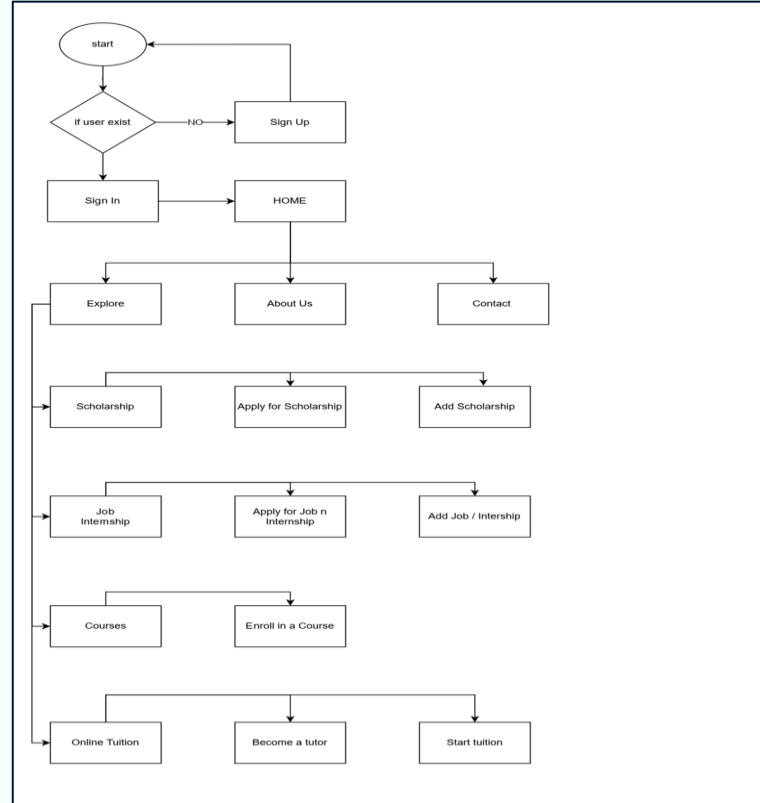
What is an architecture diagram?

- An architecture diagram is a graphical representation of a set of concepts, that are part of an architecture, including their principles, elements and components. It includes:
- Flow chart
- Wireframes
- Graphical representation (Bar graph, Histogram, Pie charts, Heat maps)
- Prototype (Screenshot, screencast, image, video, etc.) - *optional*
- *[Include concept, principles, elements and components]*
- Please note: Upload the documents (eg: .pdf, .docx, .vsd, etc.) directly on the platform. However, the links can be inserted/ attached in this PowerPoint template.

Methodology/ Architecture Diagram

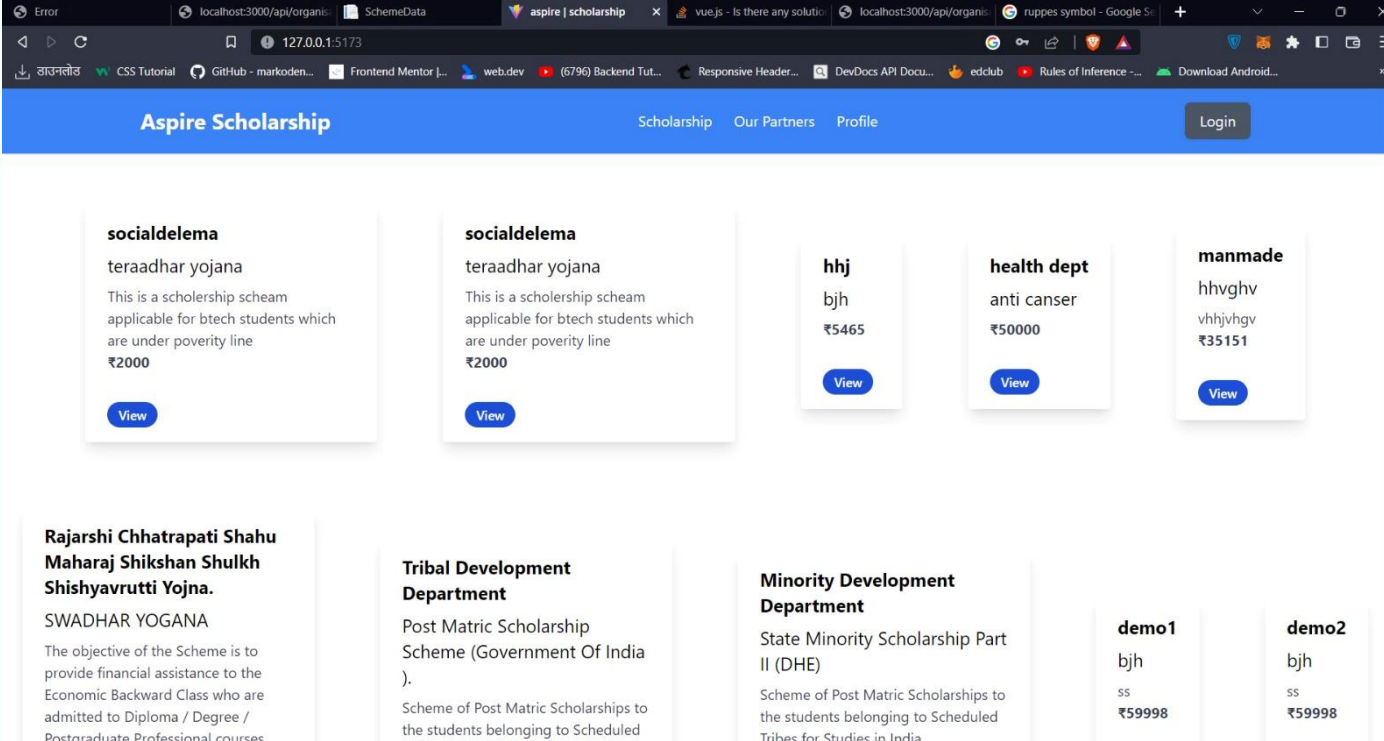
Architecture Diagram:

- Flowchart:



Scholarship:

Scholarship:

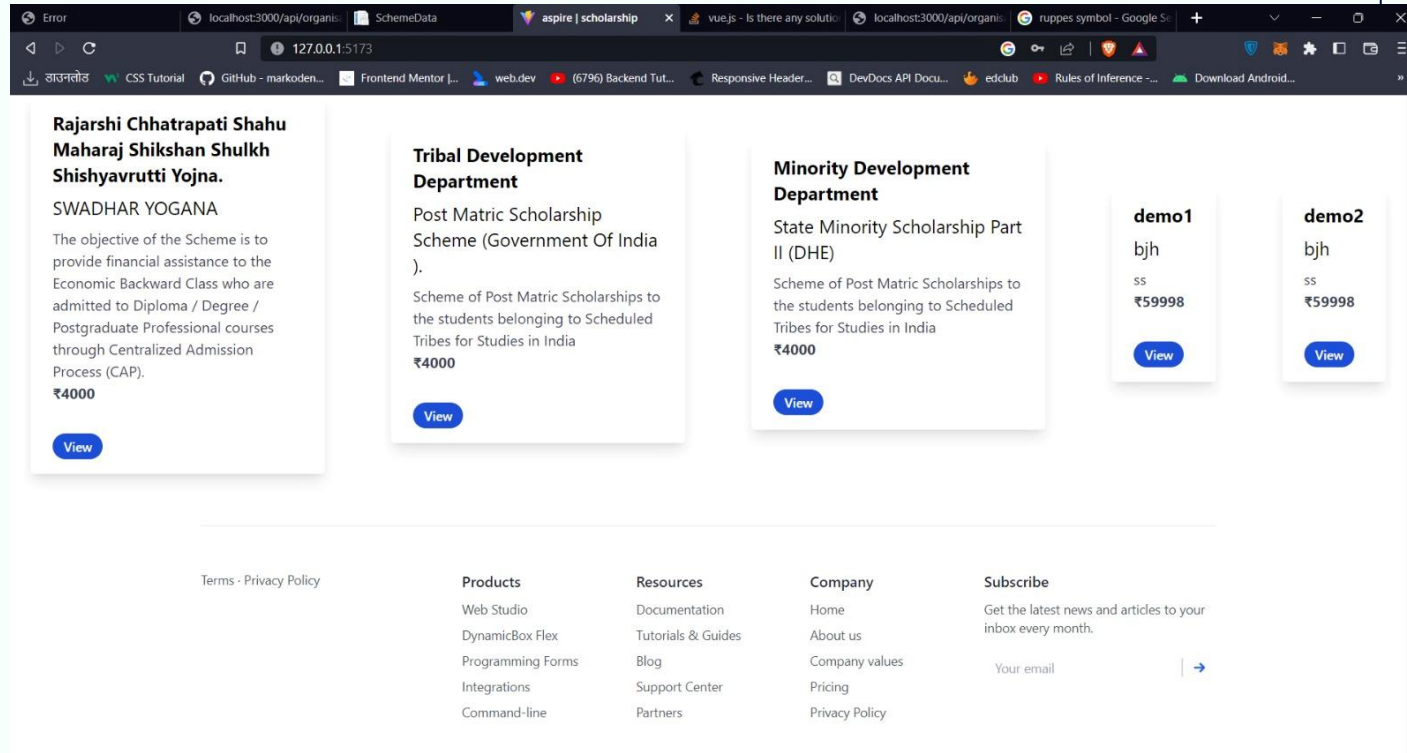


The screenshot displays the Aspire Scholarship website interface. The header is blue with the text "Aspire Scholarship" and navigation links for "Scholarship", "Our Partners", and "Profile". A "Login" button is located on the right. The main content area features a grid of scholarship cards. Each card includes the name of the scholarship, a brief description, and a "View" button. The scholarships listed are:

- socialdelema**: teraadhar yojana. This is a scholarship scheam applicable for btech students which are under poverty line ₹2000.
- socialdelema**: teraadhar yojana. This is a scholarship scheam applicable for btech students which are under poverty line ₹2000.
- hhj**: bjh ₹5465.
- health dept**: anti cancer ₹50000.
- manmade**: hhvghv vhhjvhgv ₹35151.
- Rajarshi Chhatrapati Shahu Maharaj Shikshan Shulkh Shishyavrutti Yojna.**: SWADHAR YOGANA. The objective of the Scheme is to provide financial assistance to the Economic Backward Class who are admitted to Diploma / Degree / Postgraduate Professional courses.
- Tribal Development Department**: Post Matric Scholarship Scheme (Government Of India). Scheme of Post Matric Scholarships to the students belonging to Scheduled
- Minority Development Department**: State Minority Scholarship Part II (DHE). Scheme of Post Matric Scholarships to the students belonging to Scheduled Tribes for Studies in India.
- demo1**: bjh ₹59998.
- demo2**: bjh ₹59998.

Scholarship:

Scholarship:



The screenshot shows a web browser displaying a scholarship portal. The browser's address bar shows the URL `127.0.0.1:5173`. The page features a dark header with navigation links and a main content area with four scholarship cards. The first card is for the 'Rajarshi Chhatrapati Shahu Maharaj Shikshan Shulkh Shishyavrutti Yojna' with a 'View' button. The second card is for the 'Tribal Development Department' with a 'View' button. The third card is for the 'Minority Development Department' with a 'View' button. The fourth card is a demo card labeled 'demo1' with a 'View' button. The footer contains links for 'Terms - Privacy Policy', 'Products', 'Resources', 'Company', and 'Subscribe'.

Rajarshi Chhatrapati Shahu Maharaj Shikshan Shulkh Shishyavrutti Yojna.
SWADHAR YOGANA
The objective of the Scheme is to provide financial assistance to the Economic Backward Class who are admitted to Diploma / Degree / Postgraduate Professional courses through Centralized Admission Process (CAP).
₹4000
[View](#)

Tribal Development Department
Post Matric Scholarship Scheme (Government Of India).
Scheme of Post Matric Scholarships to the students belonging to Scheduled Tribes for Studies in India
₹4000
[View](#)

Minority Development Department
State Minority Scholarship Part II (DHE)
Scheme of Post Matric Scholarships to the students belonging to Scheduled Tribes for Studies in India
₹4000
[View](#)

demo1
bjh
SS
₹59998
[View](#)

demo2
bjh
SS
₹59998
[View](#)

[Terms - Privacy Policy](#)

Products
Web Studio
DynamicBox Flex
Programming Forms
Integrations
Command-line

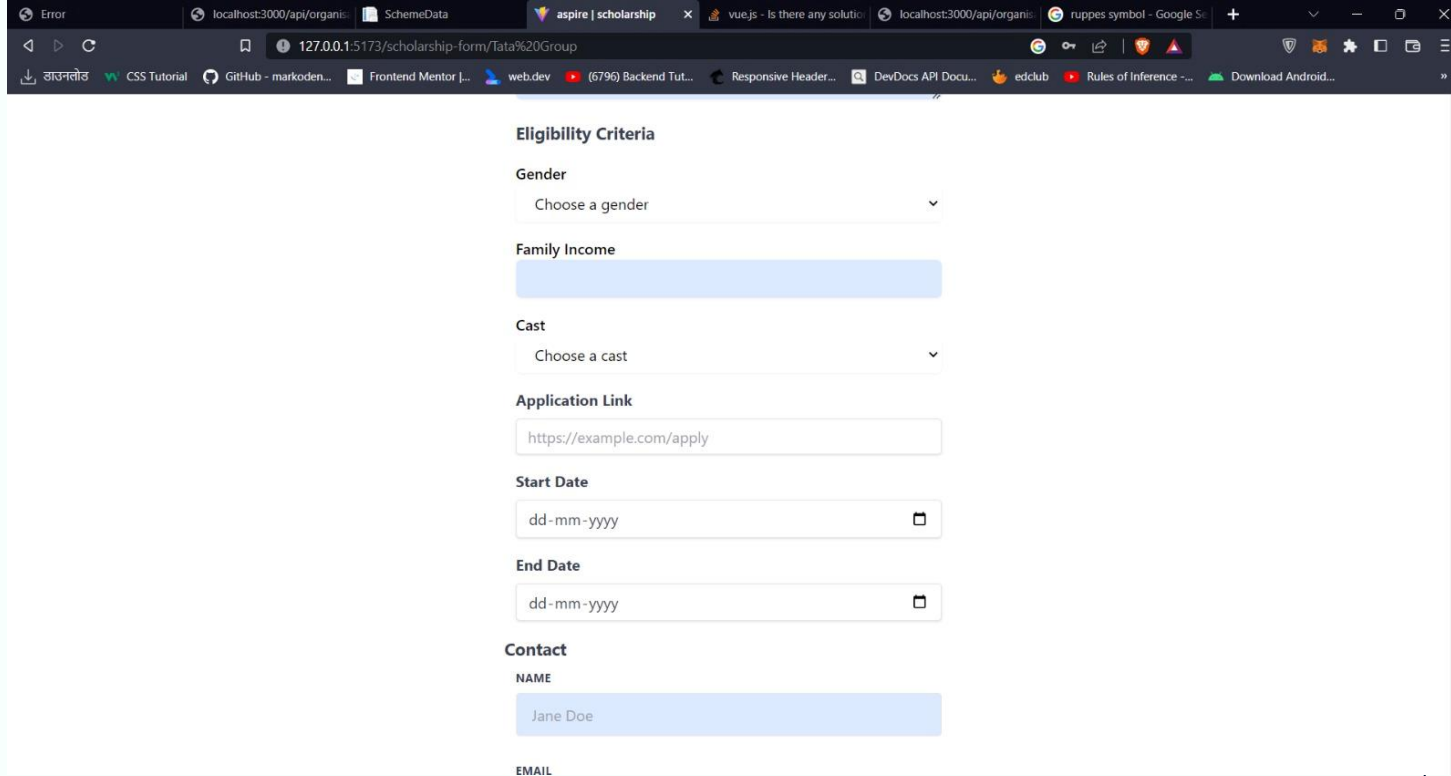
Resources
Documentation
Tutorials & Guides
Blog
Support Center
Partners

Company
Home
About us
Company values
Pricing
Privacy Policy

Subscribe
Get the latest news and articles to your inbox every month.
Your email [→](#)

Scholarship:

Scholarship:



Eligibility Criteria

Gender
Choose a gender

Family Income

Cast
Choose a cast

Application Link

Start Date

End Date

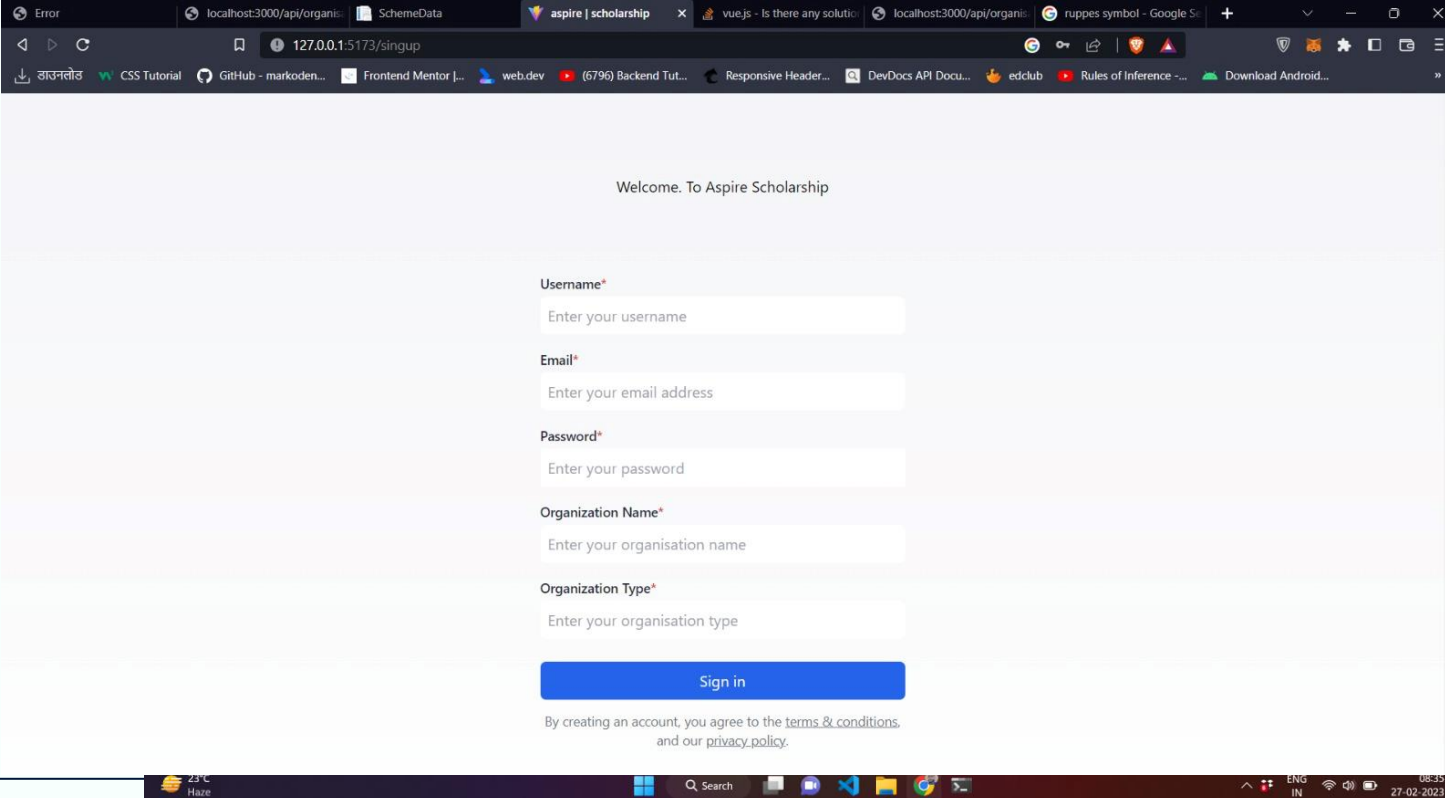
Contact

NAME

EMAIL

Scholarship:

Scholarship:



The screenshot shows a web browser window with the URL `127.0.0.1:5173/signup`. The page has a light purple background and a white login form. The form contains the following fields:

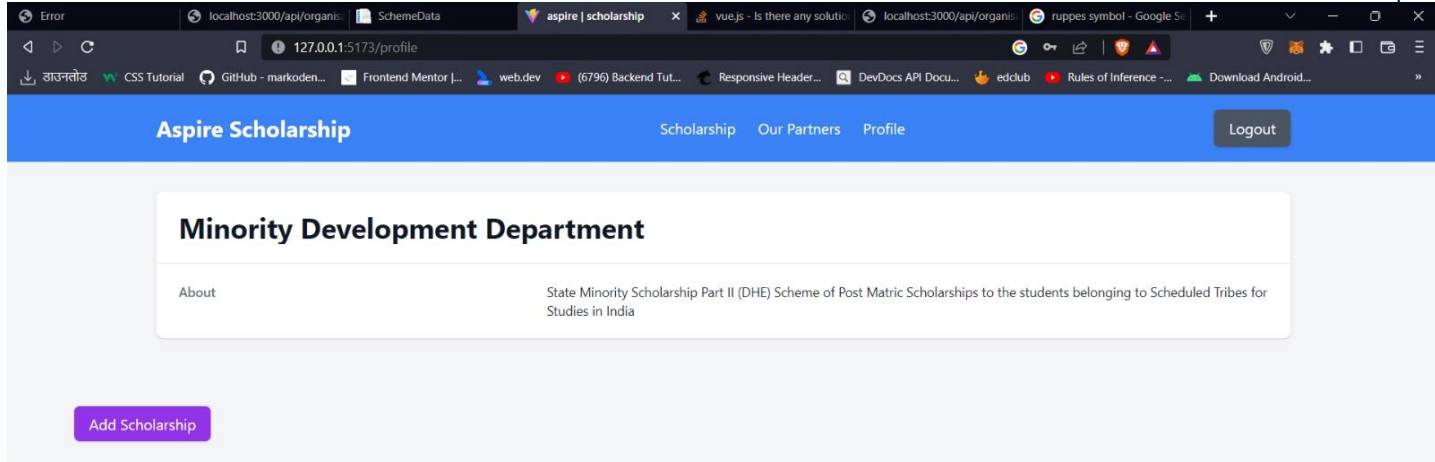
- Username***: A text input field with the placeholder text "Enter your username".
- Email***: A text input field with the placeholder text "Enter your email address".
- Password***: A text input field with the placeholder text "Enter your password".
- Organization Name***: A text input field with the placeholder text "Enter your organisation name".
- Organization Type***: A text input field with the placeholder text "Enter your organisation type".

Below the form is a blue "Sign in" button. At the bottom of the page, there is a disclaimer: "By creating an account, you agree to the [terms & conditions](#), and our [privacy policy](#)."

The browser's address bar shows the URL `127.0.0.1:5173/signup`. The browser's tab bar shows several tabs, including "aspire | scholarship", "vue.js - Is there any solution...", and "ruppes symbol - Google S...". The browser's toolbar shows various icons for navigation, search, and extensions.

Scholarship:

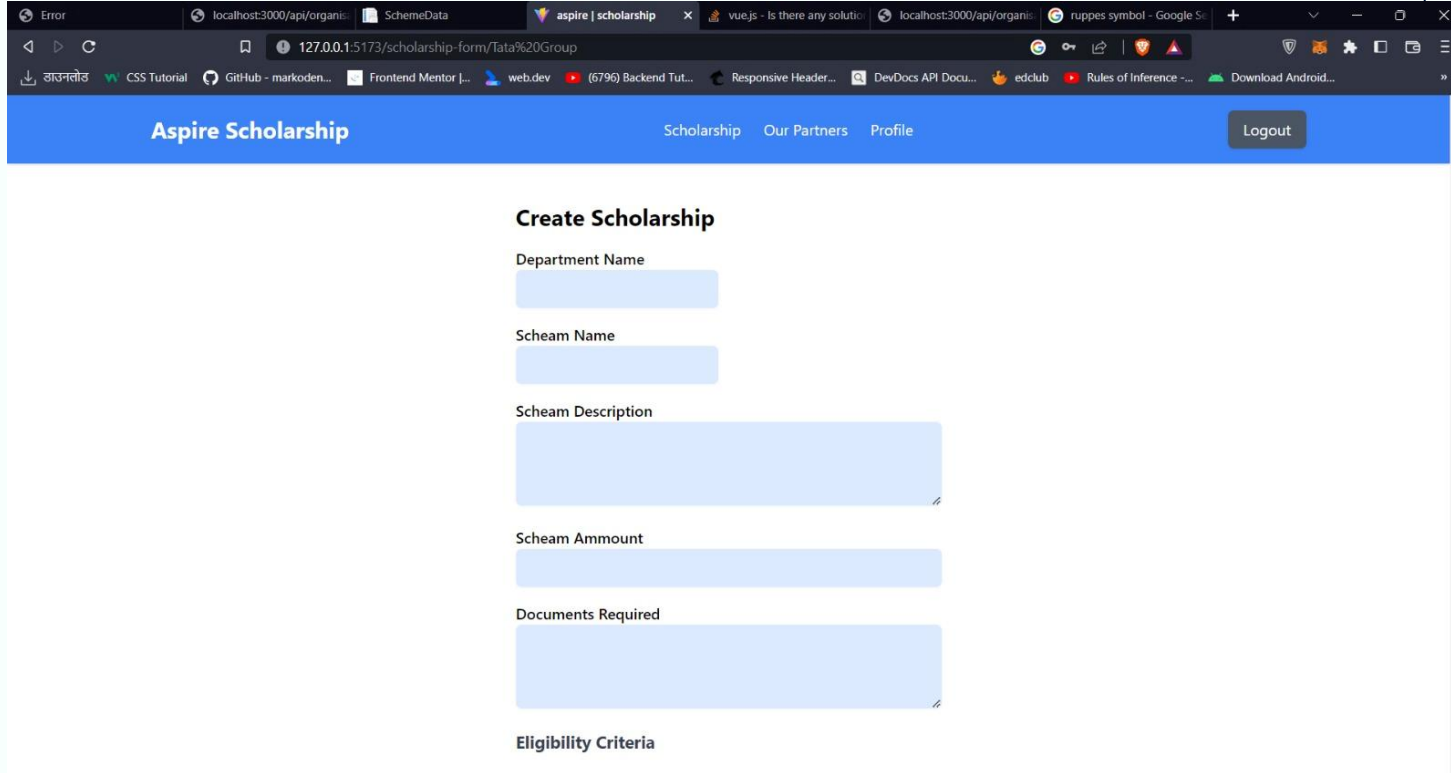
Scholarship:



The screenshot shows a web browser displaying the 'Aspire Scholarship' website. The browser's address bar shows the URL '127.0.0.1:5173/profile'. The website has a blue header with the text 'Aspire Scholarship' and navigation links for 'Scholarship', 'Our Partners', and 'Profile'. A 'Logout' button is located in the top right corner. The main content area features a white box with the title 'Minority Development Department'. Below this title, there is an 'About' section on the left and a description on the right: 'State Minority Scholarship Part II (DHE) Scheme of Post Matric Scholarships to the students belonging to Scheduled Tribes for Studies in India'. At the bottom left of the white box, there is a purple button labeled 'Add Scholarship'.

Scholarship:

Scholarship:



The screenshot shows a web browser displaying the 'Aspire Scholarship' form. The browser's address bar shows the URL '127.0.0.1:5173/scholarship-form/Tata%20Group'. The page has a blue header with the title 'Aspire Scholarship' and navigation links for 'Scholarship', 'Our Partners', and 'Profile'. A 'Logout' button is in the top right corner. The main content area is titled 'Create Scholarship' and contains several input fields: 'Department Name', 'Scheam Name', 'Scheam Description', 'Scheam Ammount', 'Documents Required', and 'Eligibility Criteria'. Each field is represented by a light blue rectangular box.

Aspire Scholarship Scholarship Our Partners Profile Logout

Create Scholarship

Department Name

Scheam Name

Scheam Description

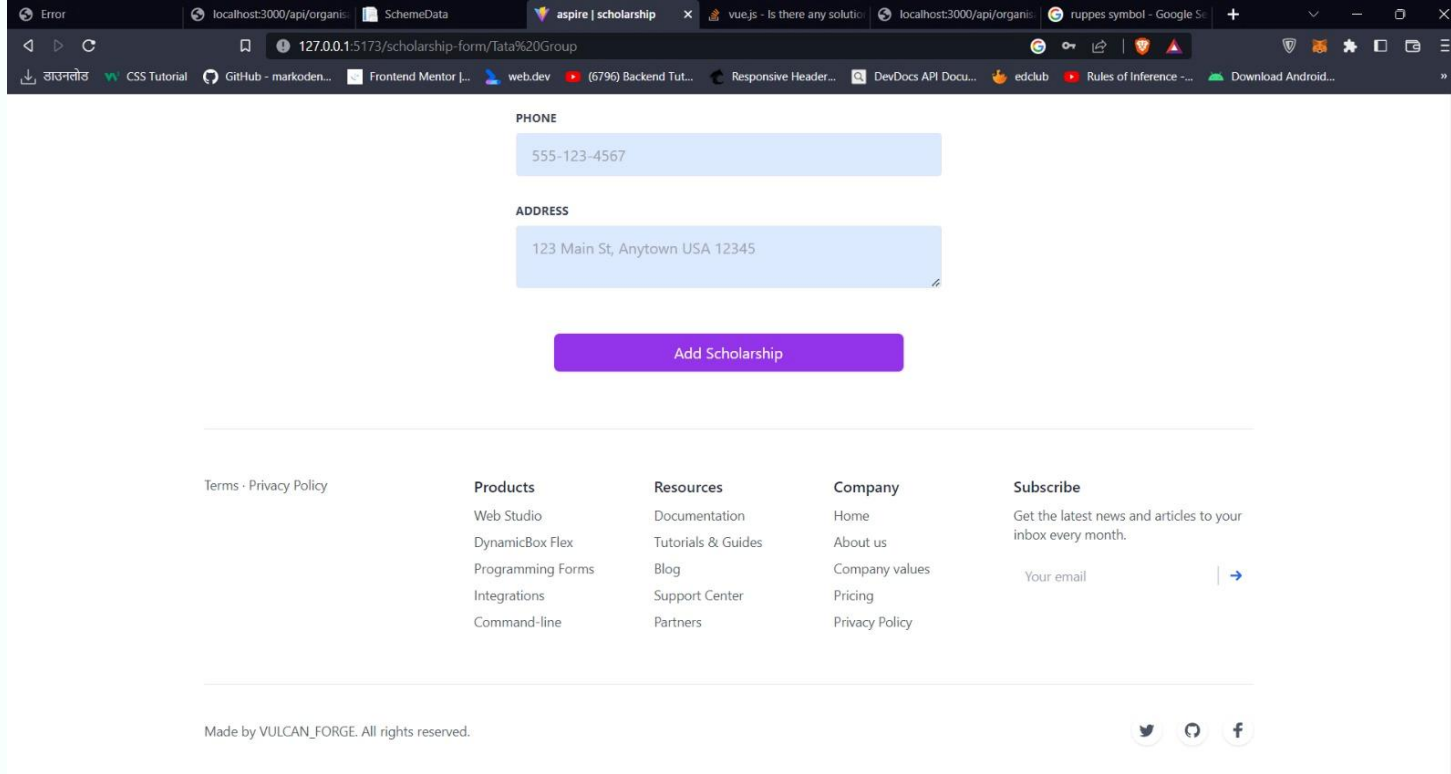
Scheam Ammount

Documents Required

Eligibility Criteria

Scholarship:

Scholarship:



127.0.0.1:5173/scholarship-form/Tata%20Group

PHONE

555-123-4567

ADDRESS

123 Main St, Anytown USA 12345

Add Scholarship

Terms - Privacy Policy

Products

- Web Studio
- DynamicBox Flex
- Programming Forms
- Integrations
- Command-line

Resources

- Documentation
- Tutorials & Guides
- Blog
- Support Center
- Partners

Company




- Home
- About us
- Company values
- Pricing
- Privacy Policy

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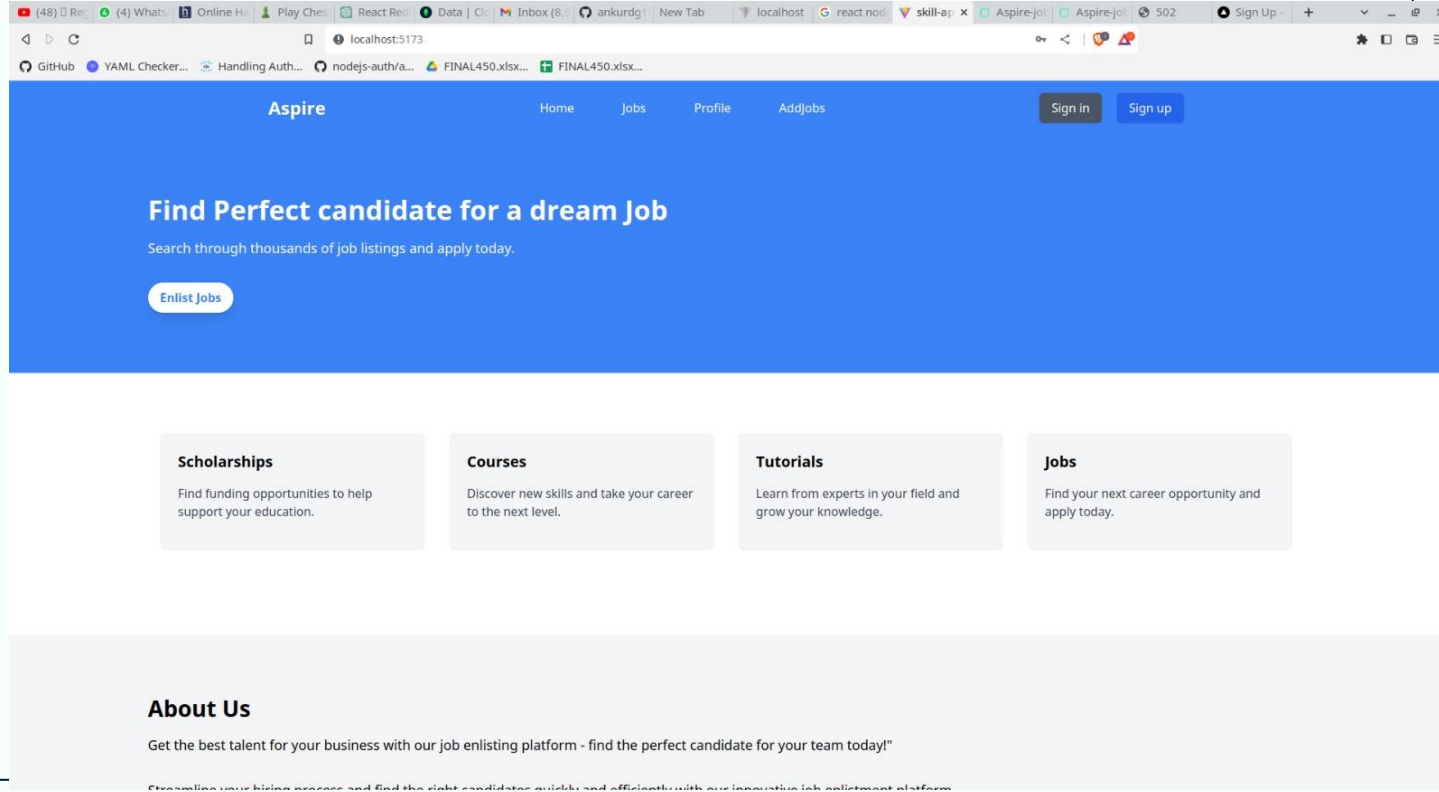
Your email

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Job:

Jobs:



The screenshot shows a web browser displaying the Aspire website. The browser's address bar shows 'localhost:5173'. The website has a blue header with the 'Aspire' logo and navigation links: Home, Jobs, Profile, and AddJobs. There are 'Sign in' and 'Sign up' buttons in the top right corner. The main content area has a blue background with the text 'Find Perfect candidate for a dream Job' and 'Search through thousands of job listings and apply today.' Below this is a white button labeled 'Enlist Jobs'. The footer section is white and contains four columns: 'Scholarships' (Find funding opportunities to help support your education.), 'Courses' (Discover new skills and take your career to the next level.), 'Tutorials' (Learn from experts in your field and grow your knowledge.), and 'Jobs' (Find your next career opportunity and apply today.). At the bottom, there is a section titled 'About Us' with the text 'Get the best talent for your business with our job enlisting platform - find the perfect candidate for your team today!'

Aspire

Home Jobs Profile AddJobs

Sign in Sign up

Find Perfect candidate for a dream Job

Search through thousands of job listings and apply today.

Enlist Jobs

Scholarships

Find funding opportunities to help support your education.

Courses

Discover new skills and take your career to the next level.

Tutorials

Learn from experts in your field and grow your knowledge.

Jobs

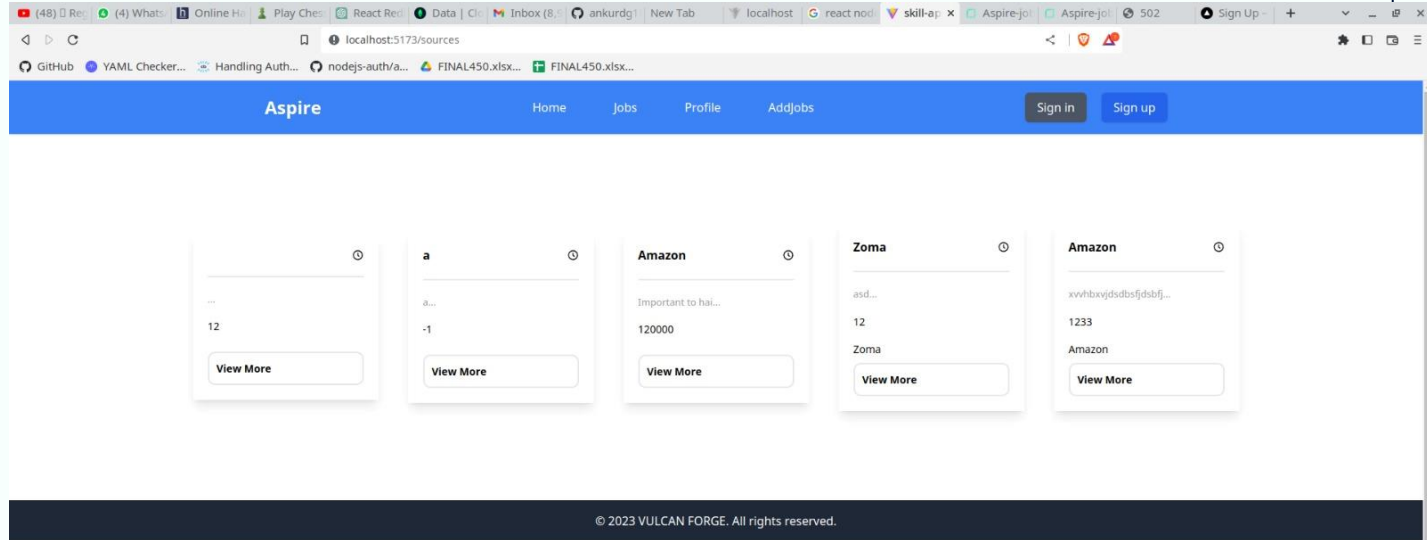
Find your next career opportunity and apply today.

About Us

Get the best talent for your business with our job enlisting platform - find the perfect candidate for your team today!"

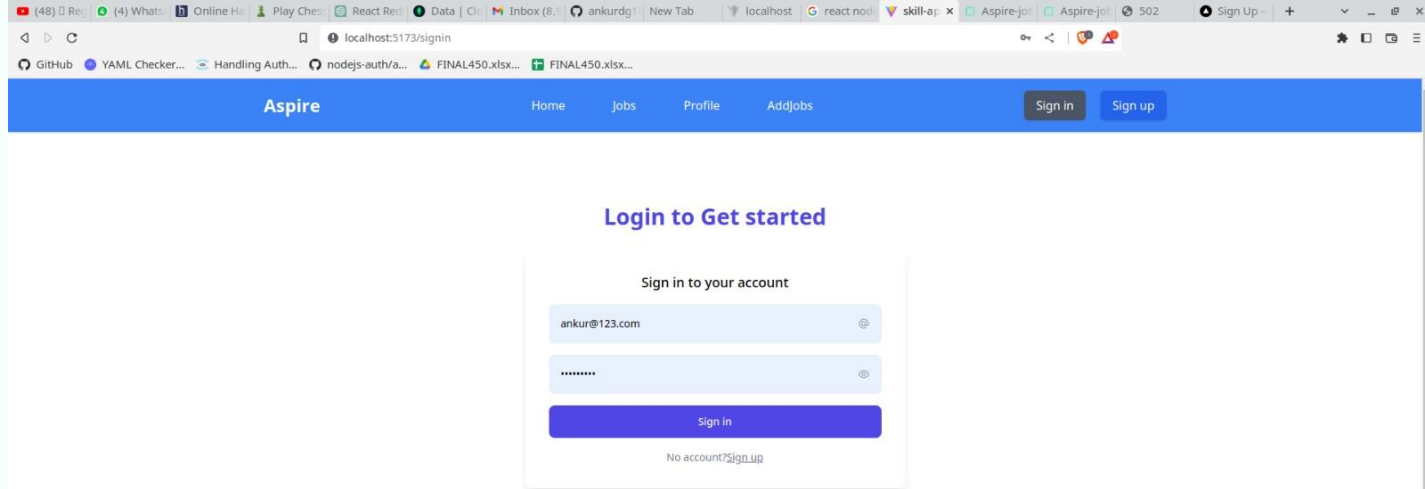
Job:

Jobs:



Job:

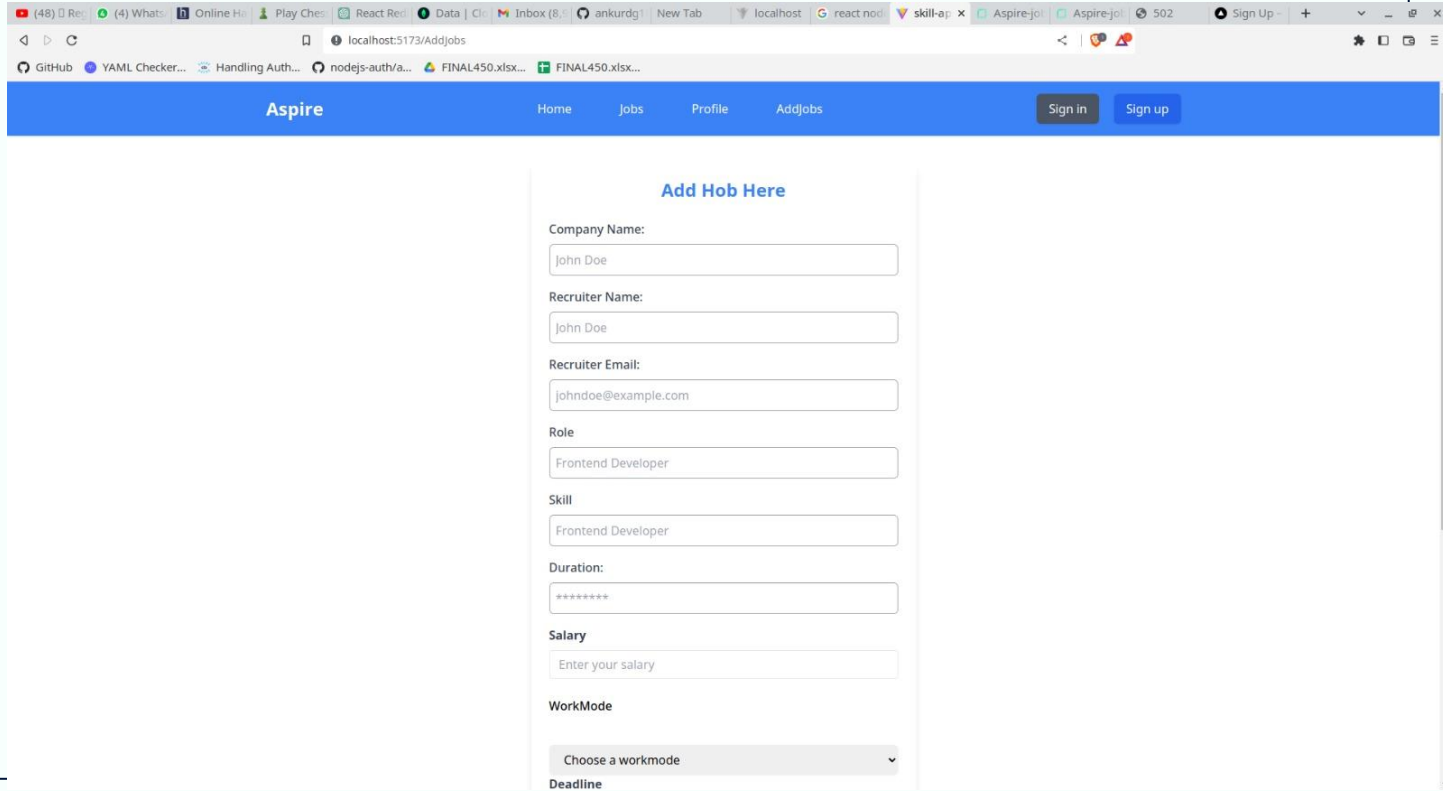
Jobs:



The screenshot shows a web browser window with the URL `localhost:5173/signin`. The browser's address bar and tabs are visible at the top. The page has a blue header with the word "Aspire" and navigation links for "Home", "Jobs", "Profile", and "AddJobs". There are "Sign in" and "Sign up" buttons in the top right corner of the header. The main content area features a "Login to Get started" heading, followed by a "Sign in to your account" prompt. Below this are two input fields: one for the email address (containing "ankur@123.com") and one for the password (masked with "*****"). A blue "Sign in" button is positioned below the password field. At the bottom of the login form, there is a link that says "No account? [sign up](#)".

Job:

Jobs:

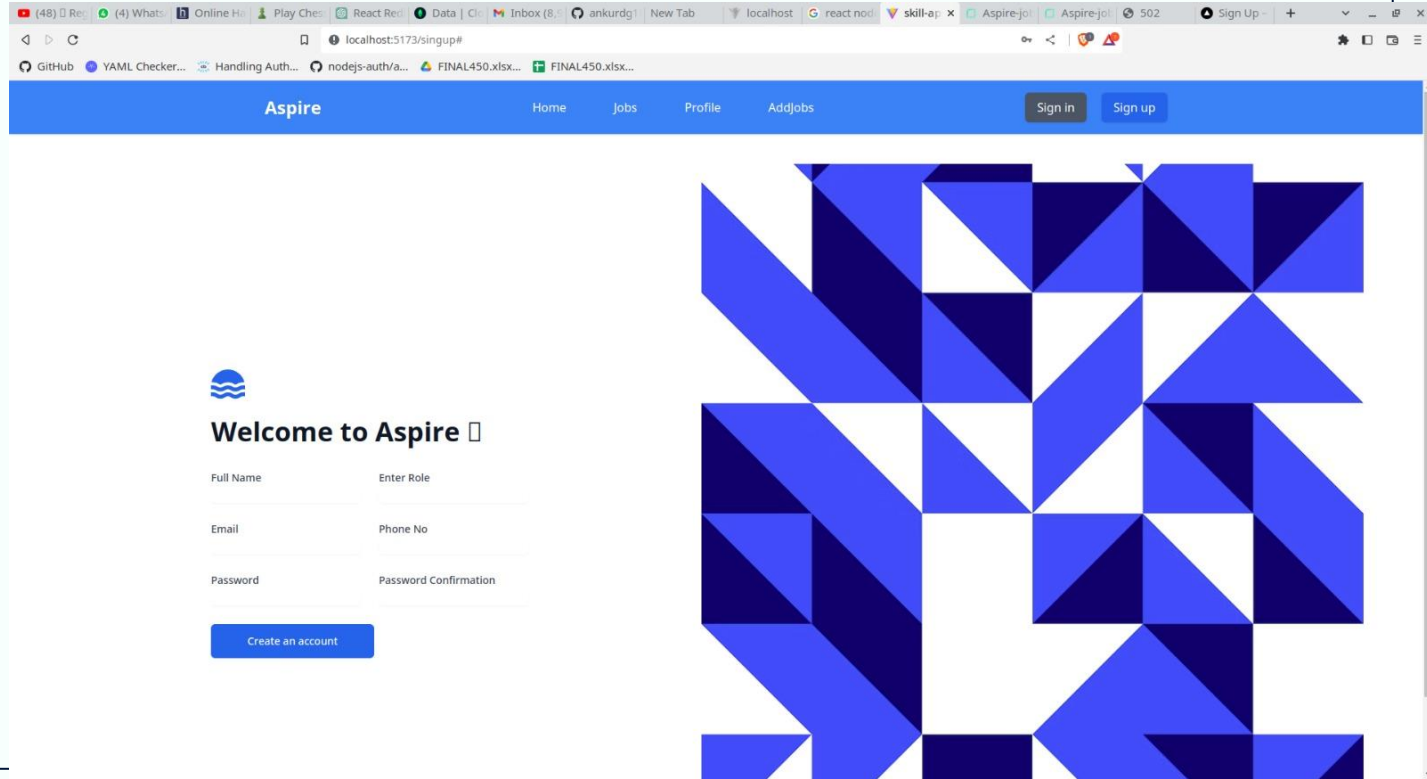


The screenshot shows a web browser window with the URL `localhost:5173/AddJobs`. The browser's address bar and tabs are visible at the top. The page has a blue header with the text "Aspire" and navigation links for "Home", "Jobs", "Profile", and "AddJobs". There are also "Sign in" and "Sign up" buttons. The main content area is titled "Add Job Here" and contains a form with the following fields:

- Company Name:**
- Recruiter Name:**
- Recruiter Email:**
- Role:**
- Skill:**
- Duration:**
- Salary:**
- WorkMode:**
- Deadline:**

Job:

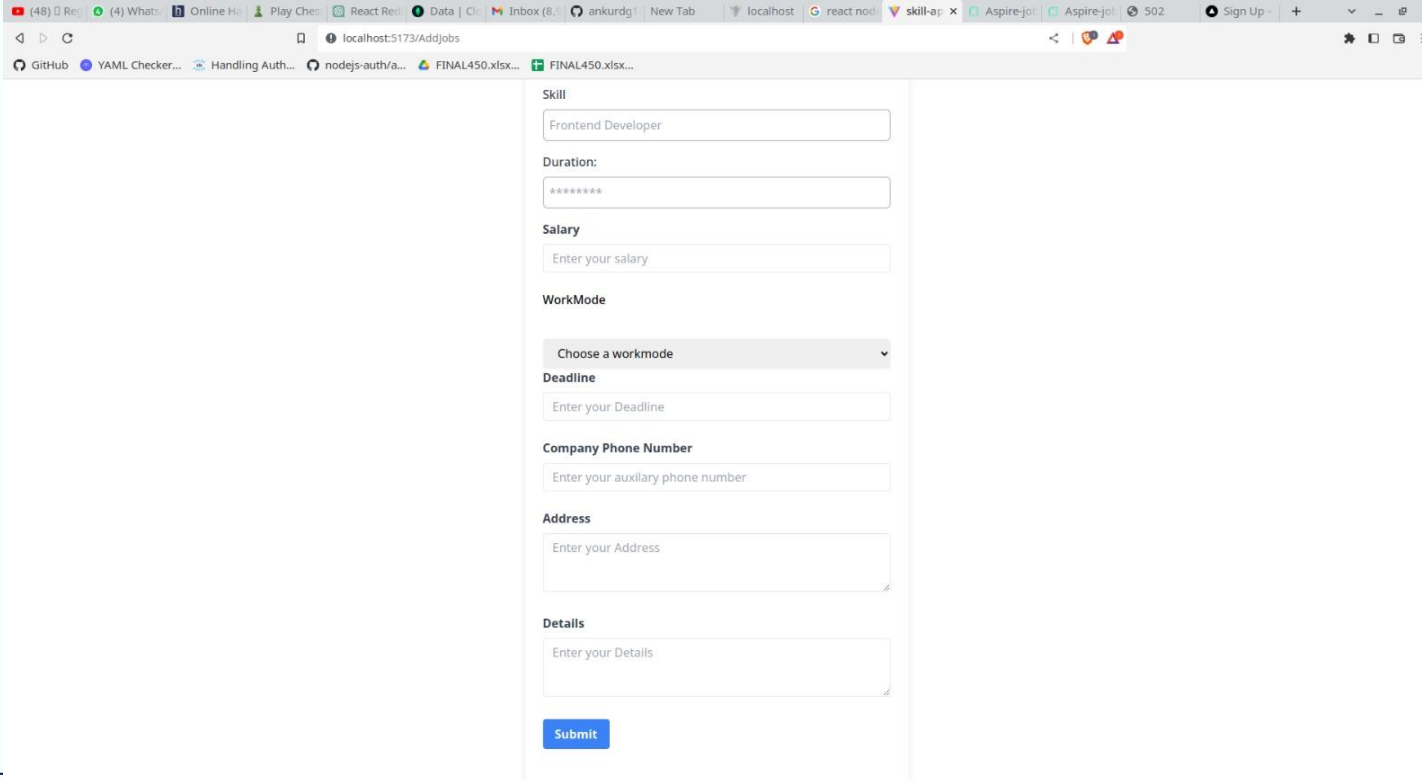
Jobs:



The screenshot displays a web browser window with the URL `localhost:5173/signup#`. The browser's tab bar shows several open tabs, including 'skill-ap', 'Aspire-joi', and 'Aspire-joi | 502'. The page features a blue header with the 'Aspire' logo and navigation links for 'Home', 'Jobs', 'Profile', and 'AddJobs'. On the right side of the header are 'Sign in' and 'Sign up' buttons. The main content area has a white background with a blue wave icon and the text 'Welcome to Aspire'. Below this is a sign-up form with the following fields: 'Full Name', 'Enter Role', 'Email', 'Phone No', 'Password', and 'Password Confirmation'. A blue 'Create an account' button is positioned at the bottom of the form. To the right of the form is a large, abstract geometric pattern composed of blue and dark blue triangles.

Job:

Jobs:



The screenshot shows a web browser window with multiple tabs. The active tab is titled 'localhost:5173/AddJobs'. The browser's address bar shows the URL 'localhost:5173/AddJobs'. The page content is a job posting form with the following fields and sections:

- Skill**: A text input field containing 'Frontend Developer'.
- Duration**: A text input field containing '*****'.
- Salary**: A text input field containing 'Enter your salary'.
- WorkMode**: A dropdown menu with the selected option 'Choose a workmode'.
- Deadline**: A text input field containing 'Enter your Deadline'.
- Company Phone Number**: A text input field containing 'Enter your auxiliary phone number'.
- Address**: A text input field containing 'Enter your Address'.
- Details**: A text input field containing 'Enter your Details'.
- Submit**: A blue button at the bottom of the form.

Courses:

Courses:

Aspire[Courses](#)[Profile](#)[Login](#)


Filters[Reset Filter](#)

Course Mode

Course Duration

Course Category

Recommended Courses



Web Development

Learn web development from scratch and build beautiful websites

May 1, 2023

3 credits

Web Development

Courses:

Courses:

Recommended Courses



Web Development

Learn web development from scratch and build beautiful websites

🕒 8 weeks

👤 John Doe

📅 May 1, 2023

👥 3 credits

Web Development

[Read More](#)



Mobile App Development

Build mobile applications for iOS and Android using React Native

🕒 2 weeks

👤 Jane Doe

📅 June 1, 2023

👥 4 credits

Mobile App Development

[Read More](#)



Data Science

Learn data science from scratch and analyze real-world data sets

📅 July 1, 2023

👥 3 credits

Data Science

Courses:

Courses:

Aspire[Courses](#)[Profile](#)Login

Sign inSign up

Welcome back. We exist to make entrepreneurship easier.

Email

Enter your email address

Password


Enter your password

[Having trouble signing in?](#)

☐ Keep me signed in

Sign in

Or

 Continue with GitHub

Courses:

Courses:

Aspire

[Courses](#) [Profile](#)

[Logout](#)



Coursera

Coursera is an online learning platform founded in 2012 by Stanford professors Andrew Ng and Daphne Koller that offers courses, specializations, and degrees.

Courses offered by Coursera

- [Data Structures and Algorithms](#)
- [Machine Learning](#)

[Add Course](#)

Courses:

Courses:

Aspire

[Courses](#) [Profile](#)

[Logout](#)

Web Development

Learn web development from scratch and build beautiful websites

Instructor: John Doe

Duration: 8 weeks

Published: May 1, 2023

Level: Intermediate

credit: 3 credits

start

Mentors and tutors page

Mentors and tutors page:

Aspire

Mentors

Sessions

Add Session

Profile

Sign up

Logout

Online Tutions and mentorship

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Et, egestas tempus tellus etiam sed. Quam a scelerisque amet ullamcorper eu enim et fermentum, augue. Aliquet amet volutpat quisque ut interdum tincidunt duis.

Get Mentorship

Be a Mentor



How does It Work



Mentors and tutors page

Mentors and tutors page:

Aspire[Mentors](#)[Sessions](#)[Add Session](#)[Profile](#)[Sign up](#)[Logout](#)

Add Session

Title

Description

Start Date

End Date

Categories

Language

Mentors and tutors page

Mentors and tutors page:

Aspire[Mentors](#)[Sessions](#)[Add Session](#)[Profile](#)[Sign up](#)[Logout](#)

Profile

UserName:

Email:

Location

Expertise

Occupation

Experience in Years

Language



Thank you!

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Digital Infrastructure for the education ecosystem

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Open Network for Digital Commerce

FIDE
Foundation for Interoperability
in Digital Economy

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