Project Portfolio: AI Vise

Project Title: AI Vise

AI Vise is a full-stack web and mobile platform built during an internship, aimed at helping students prepare for campus placement drives. It provides a comprehensive set of tools to support both technical and soft skill development. The platform offers categorized MCQ practice for a wide range of subjects including Aptitude, C, C++, Java, Python, Go, Swift, React, and React Native.

One of the major features of the platform is a custom-built code compiler that allows users to write and execute code in real-time across multiple languages. Additionally, the system includes an AI-based Interview Simulator that evaluates a student's communication skills by analyzing their spoken responses.

A key module is the ATS Resume Checker, built using Flask and Python's NLP libraries. Students can upload their resumes along with a job description, and the system generates an ATS score with suggestions to improve their chances of getting shortlisted.

My primary responsibility was developing the Admin Dashboard. This included designing and implementing interactive charts using React Charts to visualize platform data such as login activity, contests taken, and most-used programming languages. I was also involved in UI/UX implementation, login system integration, and stepped in to complete the homepage when another teammate was unable to finish it.

One of the standout features of the project was an automated issue resolution system similar to ServiceNow. Whenever a user encountered an error while using the platform, the system would automatically detect the issue, raise a support ticket, resolve the problem using predefined steps, and notify both the user and the admin via email once it was resolved.

The frontend of the platform was developed using React.js. Node.js and Express.js were used for the backend API services, while Flask handled the resume scoring logic. We also built a mobile app version of AI Vise using React Native, offering the same set of functionalities as the web version and consuming the same backend APIs for seamless integration across platforms.