ADITYA SHARMA

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Education

Jyothy Institute of Technology - VTU Dec. 2021 – Jul. 2025
Bachelor of Engineering (B.E) in Information Science - 8.44 CGPA *Bengaluru, Karnataka*

Experience

Excell Enterprise Pvt Ltd Sep. 2024 – Dec. 2024
Web Development Intern *Bengaluru, Karnataka*

- Developed **IELTPath.com**, an IELTS exam preparation platform using Next.js, Typescript, Supabase - PostgreSQL, Prisma ORM, and Clerk for authentication.
- Implemented real-time speaking assessments by integrating Google's Speech-to-Text API and GPT-4, enabling AI-driven feedback and evaluation for users. – 🔗

Projects

AirCompass | *React Native, Expo, TypeScript* – 🔗 Feb. 2025

- Built a cross-platform air quality app using **React Native** and **TypeScript**, with real-time monitoring, location-based alerts, and **Supabase** authentication.
- Designed an intuitive UI for visualizing air quality data and implemented seamless navigation across iOS and Android using React Navigation.
- Integrated RESTful APIs to retrieve environmental data, pushed notifications for alerts, and architected a secure, low-latency database structure.

Weather Alert Bot | *Python* – 🔗 Sep. 2024

- Built an automated weather alert bot using Python, OpenWeatherMap API, and Twilio to deliver real-time SMS alerts.
- Integrated requests for API calls and Twilio for SMS delivery; implemented logging for monitoring and debugging.
- Added support for automated alerts based on user-defined conditions and scheduled tasks via PythonAnywhere.

Multi Model Vision | *Python* – 🔗 Aug. 2024

- Built a **Streamlit-based** application that uses the Gemini API to analyze ATS scores, improving resume accuracy by **35%**.
- Built an image-scanning tool leveraging PyPDF2 and Google Generative AI, achieving **90%** accuracy in data extraction.
- Used 'langchain' for text processing and 'dotenv' to securely manage environment variables.

PGLife | *HTML, CSS, JavaScript, DBMS, PHP* – 🔗 May. 2023

- Led a team of two to build **PGLife**, a platform enabling students to discover PG accommodations across India, with a **95% success rate**.
- Integrated frontend and backend via REST APIs, enabling dynamic data updates between frontend and backend.
- Handled data parsing and UI feedback for forms and interest toggles, improving user experience and interactivity.

Technical Skills

Languages: C++, Python, JavaScript, TypeScript	**Technologies**: AWS, Git, GitHub, WordPress
Frameworks: Next.js, React Native	**Tools**: Clerk, Postman, Figma
Databases: Supabase, MySQL	**Frontend**: Tailwind CSS, shadcn

Certifications

- **EX200 Red Hat Certified System Administrator,** Red Hat – Certificate
- **AWS Academy Cloud Foundations,** AWS – Certificate
- **Data Structures and Algorithms,** Apna College – Certificate
- **Introduction to Generative AI,** Google Cloud Skills Boost – Certificate
- **Web Development,** Internshala – Certificate

Extracurricular

Caterpillar Robo Oceana – Certificate Jan. 2023

- Competed at **Shaastra'23, IIT Madras**, finishing in the top 7 out of 20+ teams by successfully designing and navigating a hovercraft through challenging tasks, including water traversal and obstacle navigation.