

Sujit Rukade

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EDUCATION

Pune Institute of Computer Technology

B.E., Electronics and TeleCommunication Engineering

CGPA - 8.41

Pune, Maharashtra

2022 - Present

Shraddha Junior College of Science and Commerce

HSC - 87.33%

Ichalkaranji, Maharashtra

2020 - 2022

Deep Public School

Grade X - 91.8%

Jaysingpur, Maharashtra

2010 - 2020

TECHNICAL SKILLS

Languages: Java, Python, C, C++, SQL (MySQL, PostgreSQL), JavaScript, TypeScript, HTML/CSS

Frameworks/Libraries: ReactJS, NextJS, TailwindCSS, Shadcn, Flask, TensorFlow, Scikit-learn, OpenCV, DeepFace, Pandas, NumPy, Matplotlib, Seaborn

Developer Tools: Git, Github, Postman

Coursework: Object Oriented Programming, DSA, Database Management Systems, Computer Networks

EXPERIENCE

AI/ML Intern

Astraeus Next Gen Pvt. Ltd.

Jan 2025 – April 2025

Pune, Maharashtra

- Developed a real-time facial recognition system using Keras-FaceNet with multithreaded embedding extraction and cosine similarity-based matching across CCTV feeds.
- Built and deployed a CNN-based speaker recognition pipeline using MFCC features, enabling identity prediction from .wav files through a Flask API.
- Built the backend for Vajra, an IXP traffic monitoring system, implementing data fetching via APIs, web scraping, and automated queries.

PROJECTS

Pulzion'24 Submission Platform | Node.js, Express.js, PostgreSQL, Flask, Nextjs

[Project Link](#)

- Spearheaded the development of a submission platform for Pulzion'24, enabling **500+ users** to submit entries across **5+ events** seamlessly, using a tech stack of Node.js, PostgreSQL, and Next.js for end-to-end system efficiency.
- Designed a robust administrative interface** that simplified oversight for 5+ events by managing route configurations and download options; integrated real-time update capabilities through efficient use of the Axios library for enhanced performance.

FinTracker - AI Based Expense Tracker | Next.js, Prisma, Supabase, Gemini AI, Clerk, Inngest, Arcjet [Project Link](#)

- Developed a **financial tracking app** leveraging **Gemini AI for receipt scanning**, reducing manual expense entry efforts, and **automated timely budget insights** via Inngest cron jobs.
- Integrated Supabase for database management, Clerk for secure authentication, and Arcjet for bot protection, ensuring scalability, reliability, and security for real-time user operations.

WhatsApp Text Analyzer | Python, Streamlit, Matplotlib, Seaborn

[Project Link](#)

- Designed an intuitive **chat analysis tool** to visualize conversation trends with features like emoji statistics, word clouds, and activity maps, enhancing analysis efficiency.
- Streamlined the parsing of group and personal chats using Streamlit, with graphical insights into weekly and monthly patterns, significantly improving user engagement with actionable data.

POSITION OF RESPONSIBILITY

Event Lead | PASC (PICT ACM STUDENT CHAPTER)

- Pulzion, the annual flagship event of PASC, features a variety of technical and non-technical competitions. Served as the **Event Lead** for the Fandom event with a team of **10+ members**.
- Led the frontend development team of 5+ developers** for the Submission Portal used for managing entries and submissions during Pulzion, which handled **500+ user submissions**.