

AJAY BARAL

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EDUCATION

Thakur College of Engineering and Technology, Mumbai

Nov 2022 – Jun 2026

BE – Computer Engineering, CGPA – 9.13

Mumbai, India

Kamaladevi College of Arts, Science and Commerce (H.S.C)

Aug 2020 – Jun 2022

Passed with 81.33%

Thane, India

Secondary School Certificate (S.S.C)

Mar 2020

Maharashtra State Board, Passed with 87.80%

Mumbai, India

EXPERIENCE

Foofin Innovation

Dec 2024 – Jan 2025

Full stack Intern

Remote

- Developed and Maintained an **E-Commerce Full stack Website** .
- Worked with **Cloudinary** for media storage and explored modern backend development practices using RESTful APIs.
- Created a comprehensive Postman automation suite, reducing testing time by 30% and enhancing efficiency in API functionality validation during development cycles. .

Purpose Buddy 

Nov 2024 – March 2025

Software Development Intern

Remote

- Maintained the **API collection** for automation platform AutoAppy.
- Collaborated on feature development and task automation using platform-specific scripting.
- Work on **Automation Script** For Autoappy Development .

PROJECTS

Codingpeer | *React, Bootstrap, CSS, Firebase*

- Developed a web portal that enables developers to connect with ideal coding partners globally.
- Designed a user-friendly interface allowing users to **add, update, delete projects**, and **search developers by tech stack**.
- Simplified project collaboration and team formation through a centralized and intuitive platform.

Society Finance Management System | *Spring Boot, React, MySQL, REST API, JWT*

- Built a full-stack finance management app using **Spring Boot (Java)** and **React.js + Tailwind CSS**.
- Designed secure **JWT-authenticated REST APIs** for role-based access control.
- Integrated **MySQL** for storing expenses, contributions, and member data.
- Implemented core modules: **expense tracking**, **payment flagging**, and **audit-ready reports**.
- Applied **MVC architecture**, input validation, and async operations for backend robustness.

Constitutional AI Chatbot | *React, Node.js, MongoDB, Firebase Auth, OpenRouter API*

- Built an AI-powered chatbot using **React (Material-UI)** and **Node.js/Express** with **MongoDB** backend.
- Integrated **Mistral-7B** via OpenRouter API for intelligent chat and **MongoDB text search** for article-based responses.
- Implemented secure auth with **Firebase Google OAuth**, JWT sessions, and real-time user state monitoring.
- Designed responsive UI with **chat bubbles**, **markdown**, **Framer Motion**, and mobile-first layout.
- Developed modular **RESTful APIs** with validation, error handling, and async operations.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, TypeScript, Java, SQL


Frameworks & Libraries: Node.js, Express.js, Spring Boot, React, Tailwind CSS, Bootstrap

Databases: MongoDB, Firebase

Tools: Git, Postman, GitHub/GitLab, Vercel

Knowledge: Data Structures and Algorithms, Networking, Operating Systems, DBMS, OOP

CERTIFICATIONS

Data Structures and Algorithms: Solved 250+ Problems on Data Structures and Algorithms 

Python Course – Infosys Springboard: Certification of Completion of Python Beginner Course

Webathon Hackathon: Certificate of Participation in a web development hackathon

Medecro.ai Coding Competition: Certificate of Participation in an inter-college coding contest