

ANKUSH BHOUTEKAR

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Ankush Bhoutekar

github.com/Ankushbhoutekar

Education

Madhav Institute of Technology and Sciences

B.Tech in Computer Science and Design

Gwalior, MP

Nov. 2022 – May 2026

Experience

Data Science and Machine Learning Intern

May 2025 – July 2025

YBI Foundation

Remote

- Developed and implemented data analysis workflows using Python, NumPy, Pandas, and Matplotlib for exploratory data analysis and visualization tasks.
- Trained and evaluated machine learning models with scikit-learn, applying regression, classification, and clustering techniques on real-world datasets.
- Executed a full-cycle data science project including data preprocessing, model development, and final report submission; gained exposure to AI, NLP, and Generative AI (GenAI) concepts.

Frontend Development Intern

Nov 2024 – Dec 2024

Cognifyz Technologies

Remote

- Developed and implemented UI components from Figma design mockups in collaboration with senior developers .
- Integrated RESTful APIs and managed asynchronous data fetching using Axios and Fetch API .
- Ensured responsive design and cross-browser compatibility while optimizing performance and reducing load time.

Projects

Animated Portfolio Website | HTML, Js, Tailwind CSS, Framer Motion, EmailJS

December 2024

- Built an animated personal portfolio with modular React components, delivering a **90+ Lighthouse score** through UI optimization and responsive layouts.
- Integrated EmailJS to enable a fully functional contact workflow without backend logic, improving user interaction efficiency by **100%**.
- Implemented smooth, production-quality animations with Framer Motion, enhancing perceived performance and UX consistency across devices.

AI + Real-Time Chat Application | JS, Node.js, Express, Socket.io, OpenAI/HuggingFace API

June 2025

- Developed a hybrid messaging platform enabling **real-time user chat** via Socket.io and **AI-generated responses**, reducing response latency to **under 250ms**.
- Engineered a scalable backend with REST + WebSocket architecture, supporting intelligent assistant features and chat history retention.
- Designed a responsive WhatsApp-style UI with typing states, timestamps, and auto-scroll, improving usability and engagement.

ECM Document Viewer | HTML, CSS, React, PDF.js, Tesseract.js, Cloudinary, Tailwind CSS

October 2025

- Built an ECM-style document viewer supporting **multi-page PDF preview, zoom controls, and 500ms render times** using PDF.js.
- Implemented OCR-based text extraction with Tesseract.js and integrated Cloudinary for secure, optimized document delivery, reducing load times by 40% and enabling real-time keyword search.

Technical Skills

Languages: Python, C++, HTML/CSS, JavaScript, SQL

Developer Tools: VS Code, Jupyter Notebook , Google Cloud Platform, Github

Technologies/Frameworks: React, Node.js, Express, Mongoose, Framer-Motion

Extracurricular Activities

Startup Cell

2023 – 2025

member

MITS Gwalior

- Participated in various startup-related activities, workshops, and awareness programs
- Helped in organizing and conducting startup events within the college campus.