

Gourav Barnwal Full Stack Developer / AIML Learner

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Portfolio : <https://gouravs-portfolio.vercel.app/> | Dhanbad, Jharkhand - 828111

👤 Professional Summary

Full-stack developer skilled in **React.js**, **FastAPI**, **Flask**, **Firebase**, and **PostgreSQL**, with experience building scalable web applications and deploying ML models using **Python**, **Streamlit**, and **Scikit-learn**. Strong focus on clean architecture, UI/UX, data-driven development, and end-to-end product delivery. Passionate about AI, automation, and building high-impact applications.

💼 Work Experience

Oct 2025 – Present Boston, Massachusetts, US	AI Software Engineer Intern - Tickerpulse <i>AI Product Manager Accelerator</i> <ul style="list-style-type: none">Integrated frontend and backend using React.js and FastAPI enabling smooth API communication.Designed and managed PostgreSQL databases, including schema setup and CRUD operations.Ensured reliable data flow across the React.js UI, FastAPI backend, and PostgreSQL database.
Jun 2025 – Jul 2025 Ranchi - Hybrid	Software Development Intern <i>National Institute of Advanced Manufacturing Technology (NIAMT), Ranchi</i> <ul style="list-style-type: none">Built a full-stack app for attendance automation using React.js, Flask, FirebaseAdded OTP login, email alerts, SBI Collect integrationRole-based access with real-time updates
Jul 2025 – Aug 2025 Remote	AI/ML Intern - Classification of Fire Types in India Using MODIS Satellite Data <i>AICTE x Edunet Foundation x Shell</i> <ul style="list-style-type: none">Analyzed MODIS fire data (2021–2023) to classify fire types (vegetation, static, etc.)Performed EDA on class imbalance and spatial distributionBuilt & deployed an ML app using Python, Streamlit, Scikit-learn, Folium, Pandas.

📁 Projects

Oct 2025 – Present	TickerPulse — Stock Trend & Sentiment Tracker (ReactJS, FastAPI, PostgreSQL) Tracks stock mentions from influencers and financial content to identify trending companies. Includes alerts, market-interest analysis, and a clean UI for investors.
Jul 2025 – Aug 2025	Deforestation Fire Classification (Using Modis csv data) ⚡ Deployed a model that predicts fire types using satellite attributes like brightness & FRP. Includes interactive maps, real fire comparisons (2021–2023), and downloadable reports.
Jun 2025 – Jul 2025	Students Attendance Monitoring and Alert Generation System (ReactJS, Firebase, Flask) Full-stack application made with React.js, Python Flask, and Firebase to automate attendance. Features include role-based dashboards, email alerts for attendance below 75%, OTP password recovery, and integration with SBI payment gateway.

💡 Skills

Front-end — Competent ReactJs, HTML5, CSS3, JavaScript, Tailwind CSS, Bootstrap	Backend — Competent NodeJs, ExpressJs, Flask
Database — Proficient MongoDb, Firebase, PostgreSQL	API's — Competent RestAPI's, Email/OTP Auth, SBI Collect Integration
AI/ML — Competent Python, Pandas, Seaborn, Scikit-learn, Folium, Jupyter	Tools — Competent Git, GitHub, Render, Netlify, Streamlit

🏆 Certificates

Data Analytics Workshop, IIT, Kharagpur | Jan, 2024

Internship Certificate, NIAMT Ranchi — Jun-Jul 2025

🏅 Achievements & Recognition

Letter Of Recommendation(NIAMT) ⚡

- LOR from NIAMT Ranchi for performance in full-stack internship (June–July 2025)

🎓 Education

Dec 2022 – Aug 2026 Ranchi, Jharkhand	Bachelor's in Computer Science & Engineering <i>Ramgarh Engineering College, Ramgarh</i> CGPA : 7.27
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