Gourav Barnwal

Full Stack Developer / AIML Learner

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◉ Dhanbad, Jharkhand - 828111   🔗 Gourav's Portfolio

🪪 Professional Summary

Full Stack Developer skilled in ReactJs, NodeJs, ExpressJs, MongoDB, and Firebase, with experience building dynamic web apps and secure, scalable backends. Passionate about AI/ML and data analysis using Python. Committed to clean code, strong UI/UX, and delivering end-to-end solutions.

💼 Work Experience

Jun 2025 – Jul 2025
Ranchi - Hybrid

Software Development Intern
National Institute of Advanced Manufacturing Technology (NIAMT), Ranchi
- Developed full-stack web app for student attendance automation using React.js, Flask, and Firebase.
- Implemented role-based login, OTP password reset, and email alerts for low attendance.
- Integrated Firebase real-time database and SBI Collect for fee payment tracking.

Jul 2025 – Ongoing
Remote

AI/ML Intern - Classification of Fire Types in India Using MODIS Satellite Data
AICTE × Edunet Foundation × Shell
- Analyzed MODIS fire anomaly data (2021–2023) from NASA's Terra/Aqua satellites to classify fire types in India (vegetation fires, volcanic, static land, offshore), Dataset Area ranges till Jammu-Kashmir .
- Performing exploratory data analysis to understand class imbalance and parameter distributions (e.g. , count plots).
- Tools/Tech: Python, Pandas, Seaborn, Scikit-learn, Jupyter, Satellite Data (MODIS).

🧠 Skills

Front-end — Competent
HTML5, CSS3, JavaScript (ES6+), React.js, React Router, Vite, Tailwind CSS, Bootstrap

Database and Dev tools — Proficient
MongoDb, Firebase(Realtime Database), Git, GitHub, Netlify

Backend — Competent
NodeJs, ExpressJs

RestAPI's — Competent
SBI Collect Integration, Email Automation, OTP Authentication

🎖 Certificates

Deloitte Australia Technology Job Simulation on Forage - March 2025 🔗
- Completed a job simulation involving development and coding
- Wrote a proposal for creating a dashboard

Accenture UK Developer and Technology Virtual Experience Programme on Forage - August 2024 🔗
Completed the Developer and Technology Job Simulation where I developed an end to end understanding of the Software Development Lifecycle.

📁 Projects

Students Attendance Monitoring and Alert Generation System
Designed and built a full-stack application 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.

GigaNEWS - NewsApp 🔗
Developed and deployed a responsive React news portal ("GigaNEWS") with infinite scrolling, category-based filtering, and live data integration from NewsAPI, using Netlify Functions to securely proxy API requests and protect sensitive keys. Implemented robust error handling, mobile-friendly navigation, and automated CI/CD deployment on Netlify.

🎓 Education

Dec 2022 – Aug 2026

Bachelor's in Computer Science & Engineering, 3rd year graduate
Ramgarh Engineering College, Ramgarh