Dinesh Pradhan

Portfolio 📞 +91 9078284270 ✉ dneshpradhan15@gmail.com in LinkedIn ⚙ Github

Education

Indian Institute of Information Technology, Allahabad. **2022 - present**
B.Tech in Information Technology *Grade: 8.51*

Senior Secondary Examination CBSE - Class XII **CBSE-2022**
Jawahar Navodaya Vidyalaya , Phulbani, Odisha *Percentage: 87%*

Senior Secondary Examination CBSE - Class X **CBSE-2020**
Jawahar Navodaya Vidyalaya , Phulbani, Odisha *Percentage: 91.8%*

Work Experience

Indian Air Force (IAF) **June 2025 – July 2025**
820 Signal Unit, Bamrauli, Prayagraj

Software Development Engineer Intern

- Developed and optimized internal software systems with a focus on **high performance, security, and reliability**, improving overall system responsiveness by **30%** and reducing data latency by **25%**.
- Collaborated with a **cross-functional team** to design, integrate, and deploy **REST APIs and backend modules** for real-time operational workflows, enhancing system scalability and reliability by **20%**.
- Contributed in an **agile development environment**, participating in planning, testing, and deployment of scalable software components with secure coding practices.

Projects

#1. ETERNAL – Solana Token Analytics Platform

Tech-Stack: Node.js, TypeScript, Redis, Socket.io, React, Railway **Live Demo** ;—; **Source Code**

- Built a real-time Solana meme-coin analytics platform aggregating data from DexScreener, Jupiter, and GeckoTerminal.
- Implemented Redis caching (sub-100ms), 7-day snapshots, and WebSocket streaming for live price/volume updates.
- Developed REST APIs with filtering, sorting, cursor pagination, and full-text search across 11 endpoints.
- Added production-grade reliability with rate limiting, error handling, and 21 Jest tests.

#2. Finaura

Tech-Stack: Next.js ,Go (Golang),Python ,Firebase ,Gemini API/Models **GitHub**

- Built Finaura, a GenAI-powered financial assistant with 6+ core features including AI-driven insights, chatbot support, and market monitoring.
- Developed the platform using Next.js, Go/Python, Firebase, and Gemini LLMs, enabling real-time portfolio evaluation and risk profiling for users.
- Designed a freemium + pay-to-earn model projected to boost user engagement by 40% through rewards, education, and referrals.

Technical Skills

Coursework: DSA, OOP, OS, DBMS, CN, System Design (Basics), Probability & Statistics, ML, DL
Programming Languages: Java, JavaScript, TypeScript, Python, Go, C++, SQL
Backend & Frameworks: Node.js, Express.js, Spring Boot, FastAPI, RESTful APIs, Microservices
Cloud & DevOps: Docker, AWS, Firebase, Linux, CI/CD (Jenkins)
FinOps & Cloud Cost: AWS Cost Explorer, Budgets, CUR, cost monitoring, rightsizing, tagging strategy
Databases: MySQL, PostgreSQL, MongoDB, DynamoDB
Tools & Platforms: Git, GitHub, VS Code, Jupyter, Figma

Coding Profiles

Codeforces - (Max Rating: 1426, Specialist) **LeetCode(Guardian)** - (Max Rating: 2,155)
Solved over 900+ DSA problems across LeetCode, CodeChef, and Codeforces.

Role of Responsibility & Achievements

- Achieved global rank 1367 in Kaggle's *"Predicting Road Accident Risk"* using data preprocessing, feature engineering, and predictive modeling for actionable insights.
- Overall cordinator and member at Nirmiti(Fine & Art Society) 2023-2024.
- Led a competitive analysis project in a 2-day hackathon, earning "Top Freshers Team" with 25% engagement boost.
- Ranked Top 30 in Opencode'23 through active open-source contributions.
- Earned the Google Cybersecurity Professional Certificate (Coursera), gaining expertise in network security, threat analysis, and vulnerability management.