

SURAJ KUMAR PANDEY

Kanpur, UP | suraj.pandey01237@gmail.com

| +91-8601633813

Profile Summary

Results-driven Full Stack Developer with expertise in MERN Stack, Django, and PostgreSQL. Skilled in designing scalable, secure web applications and integrating AI/ML-driven features. Proficient in API design, database optimization, and deployment workflow.

Technical Skills

Programming: Python

Frameworks: Django

Databases: PostgreSQL, SQLite

Tools: Docker, Git/GitHub, Linux (Ubuntu, Raspbian)

AI/ML: CRNN, Transformers, Anomaly Detection, Hugging Face

Education

B.Tech, Computer Science Engineering – Kanpur Institute of Technology (2022–2025)

CGPA: 7.89 (First Division with Distinction)

Diploma, Computer Science Engineering – BTEUP (2019–2022)

Percentage: 76%

Work Experience

Software Engineer Intern -

Nitrodynamics Aerospace and Defense Pvt. Ltd. ,IIT Kanpur APR 2025 – Present

Developed and deployed Nitrodynamics Task Management System (NTMS) with RBAC, Docker, and PostgreSQL.

Key Projects

Underwater Domain Awareness (ML Project): ML pipeline using CRNN/Transformers for sound classification and anomaly detection.

NTMS (Nitrodynamics Task Management System): Role-based access control, Dockerized deployment, PostgreSQL database, and React.js frontend.

AI-Powered Personal Finance Tracker: Expense tracking and budgeting using Django and OpenAI API

Core Strengths

- ✓ Full Stack Web Development(Backend from Django)
- ✓ Database Design & Optimization (PostgreSQL, SQLite)
- ✓ AI/ML Model Development & Deployment
- ✓ Linux System Debugging & Networking