NIKITA KUMARI

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SUMMARY

Ambitious B.Tech student focused on **Full-Stack Development**. Skilled in **Python**, **Django**, **PostgreSQL**. Delivered innovative projects, won the PSB Hackathon and selected to present at **GFF 2025**. Ready to apply strong problem-solving in a fast-moving team.

PROJECTS

RupeeBee: AI-Powered Fintech Platform for Financial Security & Literacy |Github

- Engineered an **AI-driven fintech platform** integrating **multilingual AI** and **advanced fraud detection**, selected for **GFF 2025 presentation**.
- Engineered **scalable backend** (**Supabase, modular APIs**) supporting **48+ calculators**, **9+ quizzes**, and **regulator-ready data pipelines**.
- Designed inclusive UI/UX with **Text-to-Speech** and **multi-language support** (5+ Indian languages) for financial literacy.

Road Anomaly Detection: AI-Powered Computer Vision for Infrastructure |Github

- Developed a **computer vision system** for **real-time road anomaly detection** (cracks, potholes, vehicles) using **custom-trained YOLOv8 models**.
- Engineered a unified, balanced **30k+ image dataset** via extensive preprocessing and augmentation for robust model training.
- Achieved high performance metrics and built a Streamlit web application for live image/video/camera inference.

ACHIEVEMENTS & EXTRACURRICULAR

- **Winner, PSB Hackathon Series 2025 (National Level):** Member of the winning team at the inaugural national-level Public Sector Banks (PSB) Hackathon.
- **Presenter, GFF 2025:** Selected to present "**Investment Pitches for Powering the Future of Banking Innovations"** at a major industry conference.
- **Published Poet (2023):** Had two poetry pieces published through events organized by the Department of Holistic Development.
- **National Cadet Corps (NCC) Cadet:** Actively participated in drills, training, and events, fostering leadership and discipline.

PROFESSIONAL EXPERIENCE

NIELET, Chennai
IoT in Data Analysis Intern | **June 2024 - Aug 2024**
- Analyzed real-time IoT sensor data using **Python** and **Pandas**, improving data efficiency by 20%.

META Craftlab
Full Stack Development Intern | **Jun 2024 - July 2024**
- Developed **full-stack application** using Svelte and SvelteKit to streamline development workflows.

EDUCATION

- **I.KG PUNJAB TECHNICAL UNIVERSITY**
  B. Tech- Computer Science & Engg.
  Current SGPA: 8.5/10

SKILLS

- **Programming Languages:** Python, C++, C, JavaScript
- **Web Technologies:** Django, Flask, Svelte, HTML, CSS, SQL
- **Databases:** MongoDB, MySQL, PostgreSQL
- **Tools & Platforms:** Git, GitHub, VS Code, Jupyter Notebook