NIKHIL KUMAR

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SUMMARY

Software Engineering Student adept in C++, Java, Python, and Unix/Linux. Specializes in Artificial Intelligence (AI) and Machine Learning (ML). Experienced in building scalable solutions. Eager to drive innovation in mobile development, machine learning, and large-scale systems.

PROJECTS

Float-Art ↗

- Achieved 98% accuracy in real-time gesture recognition using **OpenCV** and **Python**, enhancing image processing for seamless user interactions and pioneering high-resolution canvas scaling.

Self-Driving Car ↗

- Engineered an autonomous driving system achieving 96% precision with **Deep Reinforcement Learning**, surpassing industry benchmarks in complex urban environments.

SeaGreen ↗

- Spearheaded and pioneered a hackathon team of 5 to develop an AI system for real-time pollution detection with 90% accuracy using **YOLOv8**, integrated with **React** and **Django**, enhancing environmental monitoring capabilities.

ExchangeNest ↗

- Architected a stock exchange platform can handle upto 500 daily transactions using **React, Express, Node**, and **MongoDB**, achieving 30% faster response times with optimized database queries.

Sudoku Solver ↗

- Developed a Sudoku solver using the backtracking algorithm, achieving 100% accuracy and enhancing proficiency in **Data Structures and Algorithms**.

Fleeker ↗

- Developed a social media app that increased user engagement by 40% using **Android SDK**, **Java**, and **Firebase**, integrating real-time chat and content recommendation features.

EXPERIENCE

Awekon (Startup)   May 2024 - Present
Founder   Remote

- Founded AR/VR startup Awekon, leading community platform and **Flutter** mobile application for content sharing.
- Orchestrated project timelines, managed a team of 5+ engineers and streamlined product lifecycle, achieving a 25% reduction in development time.
- Gained insights into market strategies and competitive standings.

Open HealthCare Network   Mar 2024 - Present
Open Source Contributor   Remote

- Enhanced AI-driven healthcare projects with React, Django, and Python, delivered 100+ commits.
- Optimized the codebase, resolved over 5 issues and initiated PRs including #7391, #7639, #7645, #7795.
- Collaborated in a synchronized manner with a team. Gained insights into corporate workflows, improving management and coordination skills.

SKILLS

C++ | Java | Python | TypeScript | JavaScript | Dart | Node | React | Django | Flutter | Express | TailwindCSS | Android Development | Data Structures | Algorithms | TensorFlow | OpenCV | Sklearn | Natural Language Processing | Deep Learning | Unix/Linux | System Design | Computer Networks | Operating Systems | MongoDB | MySQL

EDUCATION

Bennett University (TOI), India   2022 - 2026
BTech in Computer Science and Engineering   CGPA: 9.67
◇ Dean's Honour List 2023

AWARDS AND ACHIEVEMENTS

- **Hackathons & Contests:** ◇ ENIGMA'24 Hackathon (Winner) ◇ Spin The CODE - 2022 (Winner) ◇ SIH'23
- **Certifications & Badges:** ◇ The Full Stack, META ◇ Data Structures and Algorithms, UC San diego.