

## MOHIT KUMAR

New York, NY | kumarmohi10@gmail.com | LinkedIn: <https://linkedin.com/in/mohit-kumar-387a4a16b> | GitHub: <https://github.com/mohit992000>

## EDUCATION

M.S. in Computer & Information Science – Long Island University, Brooklyn (Expected May 2025)

B.Tech in Computer Science & Engineering – Amity University (2022)

## EXPERIENCE

Software Engineering Intern – InfoTech

May 2022 – Aug 2022

- Developed scalable backend services using Flask, C++, and SQL, boosting API performance by 30%.
- Implemented CI/CD pipelines with Docker, GitHub Actions, and Bash scripting, reducing deployment time by 50%.
- Designed monitoring/logging systems that cut incident resolution time by 40%.

## SELECTED PROJECTS

Smart Healthcare System – Fullstack App for Patient Management

- Built secure, role-based APIs with Flask/PostgreSQL, integrated JWT/OAuth2, and real-time notification workflows.
- Created responsive frontend in React, enabling seamless doctor-patient interaction.

Elara AI Assistant – Voice-Controlled Python Assistant

- Engineered FastAPI backend for command processing, task execution, and context-aware interaction.
- Integrated NLP, TTS, and command automation with 40% latency reduction.

AdvancedOS – Custom Linux Kernel + Shell (C)

- Developed kernel modules using /proc to simulate process listing, IPC, and scheduling logic.
- Built custom shell with command parsing and embedded simulation capabilities.

## TECHNICAL SKILLS

Languages: Python, C++, JavaScript, SQL, Bash

Frameworks: Flask, FastAPI, React, PyTorch

DevOps/Tools: Docker, GitHub Actions, Kubernetes, Linux

Concepts: Fullstack Development, REST APIs, CI/CD, Debugging, System Design, NLP, Data Structures & Algorithms

Keywords: Software Engineering • Fullstack • Backend Systems • Systems Programming • Scalable APIs • CI/CD Pipelines • Voice Assistants • Secure Architectures • AI Integration • Cloud-Ready Solutions