

Naman Sinha

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Objective

Motivated BTech student with a passion for software development, hardware projects, and innovative problem-solving. Seeking opportunities to apply my technical skills in software engineering, embedded systems, and AI-driven applications.

Education

Bachelor of Technology (BTech), 1st Year

Amity University, Greater Noida

Expected Graduation: 2028

Technical Skills

- Programming Languages: Python, C, C++, JavaScript, Assembly, Swift
- Web Development: React, Node.js, Sanity.io, MongoDB, PostgreSQL
- App Development: SwiftUI (iOS), Android Development (Java/Kotlin)
- Embedded Systems & Hardware: Arduino, Raspberry Pi, pH & TDS sensors
- AI & Machine Learning: AI-powered applications, Conversational AI
- Operating Systems: Linux, Windows, (Developing custom OS)

Projects

- Water Quality Testing System: Designed a hardware and software-based system integrating pH and TDS sensors with Arduino Uno R3 and a 20x4 LCD for real-time water quality monitoring.
- Social Media App (SwiftUI + Appwrite): Developed a social media app using SwiftUI, with Appwrite as the backend, focusing on user interactions without a chat feature.
- Job Board Website (React, Node.js, Sanity.io, Google Authentication): Built a job board website where users can post and apply for jobs, utilizing Sanity.io for content management.
- Hackathon Project (Public Infrastructure Reporting App & Website): Created a platform where users can upload images of damaged public property with location data, making it accessible to government agencies for issue resolution.
- Advanced AI-Powered Calculator (Android): Developed a feature-rich Android calculator app

integrating AI functionalities for enhanced calculations.

Experience

- Intern at CodSoft (Web Development): Worked on web development projects, gaining hands-on experience in front-end and back-end technologies.
- Freelance Software Developer & Web Designer: Worked on multiple projects, including website development and embedded systems integration. Specialized in creating AI-driven applications and automation systems.
- Trader: Experience in financial markets, trading strategies, and investment analysis.

Achievements & Extracurricular Activities

- Hackathon Participant (Build with India Hackathon)
- Science Fest Chemistry Model Creator
- Active Open-Source Contributor & Developer
- Fluent in French & English

Interests

- AI Development & Automation
- Open-Source Projects
- Hardware & Embedded Systems
- Cybersecurity & Operating Systems