

Saumya Pratap Singh

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SUMMARY

- Aspiring Software Engineer with a background in creating end-to-end applications. Adept at leveraging C++, Python, and cloud-native architectures (BaaS) to build scalable and efficient systems. My experience is grounded in practical project delivery and community leadership, with a core proficiency in data structures and algorithms.

EDUCATION

- United College of Engineering and Research** Naini, Prayagraj, 211010
2023-2027
Bachelor Of Technology - Computer Science and Engineering ; CGPA: 8.2/10
Courses: Data Structure and Algorithm, AI, DBMS, OOPs with Java, Full Stack Web Development, OS, DAA, ML.

INTERNSHIPS / PROFESSIONAL EXPERIENCE

- Centre for Advanced Studies-Kalam Pragati** Onsite | August 2025 - September 2025
Rapid Prototyping and Design Thinking Intern [Lucknow, AKTU]
 - Spearheaded CleanSweep AI, a data-driven platform linking citizens, authorities, and recyclers for smarter cleanup.
- 1M1B (1 Million for 1 Billion)** Remote | June 2025 - July 2025
Internship Trainee [Bangalore]
 - As an intern at 1M1B Green, I contribute to environmental projects using Tableau and other tools to analyze data.
- Padhle Akshay (Edtech Domain)** Remote | March 2025 - April 2025
Graphic Design and Development Internship
 - Designed 50+ digital graphics and promotional materials using Figma, resulting in a 15% increase in social domain.
- IBM Web Development Internship** Remote | July 2025
Internship trainee
 - Developed and deployed a full-stack e-commerce platform, "Tech Bazaar," using the MERN stack (MongoDB, Express.js, React, Node.js), along with secure RESTful API with Postman for product management, authentication.

PROJECTS / OPEN-SOURCE

- Clean-Sweep AI | Github**
CleanSweep AI is a web-based platform that combines AI-verified reporting, live heatmaps, an e-Kabadiwala marketplace, and IoT-enabled smart bins to create a unified urban waste management system in India.
Tech Used: HTML, CSS, Javascript, Supabase, Google Gemini API, Leaflet, Arduino, IOT.
- Krishi-Seva-App-for-to-farmers- | Github**
An AI-powered mobile app that empowers Indian farmers with disease detection, crop recommendations, government schemes, and farming knowledge.
Tech Used: Flutter, Firebase, GCP, Gemini, AI, Firestore Database
- Tech Bazaar-Ecommerce Website | Github**
TechBazar is a MERN-stack e-commerce app for selling tech products, with features for browsing, shopping, order management, and a secure admin panel.
Tech Used: MERN, Postman API, Vercel

TECHNICAL SKILLS

- Programming Languages:** C++, Python, C, JavaScript, HTML/CSS
- Frameworks & Libraries:** Flutter, React.js, Node.js, Express.js
- Databases:** Firebase (Cloud Firestore, Realtime Database), Supabase, MongoDB
- Developer Tools:** Git, VS Code, IntelliJ IDEA, Postman, Figma, Canva
- Cloud & Platforms:** Google Cloud Platform (GCP), Vercel, Arduino (IoT)
- Core Concepts:** Object-Oriented Programming (OOP), Data Structures and Algorithms (DSA), (DBMS), Operating Systems (OS)

ACHIEVEMENTS

- Winner:** Kaggle Community Olympiad: Unmasking Fakes, organized by TFUG Prayagraj. [Link](#)
- Hackathon Recognized Certificate :** Hackdiwas 2.0 organized by United University X Codify Club; [Link](#)
- Ideathon Qualifier:** UHack 3.0, organized by United College of Engineering and Research. [Link](#)

CERTIFICATIONS

- AI for Beginners-** HP Foundation ; [Link](#)
- Introducing AI-** IBM Skill Network ; [Link](#)
- Cyber Security Foundation-** Project Management Institute ; [Link](#)
- Course on Computer Concepts-** NIELIT ; [Link](#)
- Web Development-** IBM Skill Network ; [Link](#)

LEADERSHIP & VOLUNTEER EXPERIENCE

- Unstop Campus Ambassador , Girl-Script Campus Ambassador ,NSS volunteer ,Google Gemini Ambassador