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)**
  Internship Trainee [Bangalore]   *Remote | June 2025 - July 2025*
  - As an intern at 1M1B Green, I contribute to environmental projects using Tableau and other tools to analyze data.

- **Padhle Akshay (Edtech Domain)**
  Graphic Design and Development Internship   *Remote | March 2025 - April 2025*
  - Designed 50+ digital graphics and promotional materials using Figma, resulting in a 15% increase in social domain.

- **IBM Web Development Internship**
  Internship trainee   *Remote | July 2025*
  - 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)*

ACHIEVEMENNTS

- **Winner:** *Kaggle Community Olympiad: Unmasking Fakes, organized by TFUG Prayagraj.* **Link**
- **Hackathon Recognized Certificate :** Hackdiwas 2.O 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