Poornima Srivastava

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Summary

Detail-oriented and driven software engineering student with proven experience in backend and full-stack development, as well as competitive coding. Proficient in C++, Python, and system-level concepts, with hands-on experience building secure and scalable tools. Aspiring to engineer reliable, high-performance solutions that enhance user experience and system efficiency.

Education

Vellore Institute of Technology, Bhopal, MP **Sep. 2020 – Sep. 2025**
Integrated M.Tech in Computer Science (Specialization in Cyber Security) *CGPA : 8.65*

Relevant Coursework

- DSA
- Computer Networks
- Operating Systems
- Oops
- DBMS
- Network Security
- Cryptography
- Distributed Systems

Skills

Technical Skills: Python, C++, Java (Intermediate) , HTML/CSS , JavaScript , SQL
Platforms and Tools:VS Code , GitHub , Microsoft Office Suite, Google Cloud (Intermediate) , Power Bi , Tableau , Jupyter
Soft Skills: Strategic Communication , Team Collaboration, Time Management, Problem-Solving, Adaptability

Experience

J.P. Morgan Software Engineering **Feb 2025**
Software Engineering Intern — Virtual by Forage *Remote*

- Analyzed and cleaned financial transaction datasets using Python (Pandas, NumPy) to derive actionable insights.
- Created dashboards in Jupyter Notebooks for visualizing trends and KPIs.

Antaragni '23 (IIT Kanpur) **Jan 2022 – March 2022**
Campus Ambassador *Kanpur,UP*

- Organized underground events with Antaragni team, increasing attendance by 15% and engagement by 10% through data-driven strategies.
- Strengthened organizational and communication skills by coordinating and presenting insights to the committee.

Projects

Blockchain-Based Cryptographic Communication System | *Python* **Apr 2024 – May 2024**

∗ Developed a secure messaging platform leveraging RSA, ECDSA, and custom blockchain implementation.
∗ Implemented algorithms for secure message transmission and optimized data handling for performance and scalability.
∗ Implemented smart contracts in Python, which ensured robust and secure communication protocols within the system.

Sorting Visualizer | *HTML, CSS, JavaScript* **Jan 2024**

∗ Developed an interactive web application to demonstrate the inner workings of sorting algorithms including Bubble Sort, Insertion Sort, Selection Sort, Merge Sort, Heap Sort, and Quick Sort.
∗ Designed animations to illustrate each sorting step dynamically, enhancing algorithm learning experience
∗ Improved load time by 20 percent via code restructuring, enhancing performance for educational use

Certifications and Achievements

· Solved 600+ coding problems on platforms like LeetCode
· Finalist , Neo Codeathon May , Oct Edition ,2024
· Introduction to Cyber Security ,CISCO, August 23
· Google Cloud Computing Foundation Course, Google Cloud , December 23
· High Performance Coding (DSA using C++), iamneo , April 24