Sakshi Singh

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GitHub: https://github.com/SakshiS010 | LinkedIn: www.linkedin.com/in/sakshisi11/

SUMMARY

Final-year B.Tech Computer Science student at SRM-IST with strong skills in full-stack development, backend systems, and GenAI integration using OpenAI APIs. Experienced in building scalable web apps, simulating system-level algorithms, and enhancing data privacy through research. Proficient in Python, JavaScript, and modern DevOps tools, with a growing interest in AI/ML-focused roles that deliver real-world impact.

EDUCATION

SRM Institute of Science and Technology   Spring 2026
Bachelor of Technology in Computer Science and Engineering

EXPERIENCE

WebShark Web Services Pvt Ltd   *Bangalore, India*
Web Development Intern   November 2024 – November 2024
- Contributed to front-end development using HTML, CSS, and JavaScript, enhancing UI components for better user interaction and responsiveness.
- Successfully completed all assigned targets on time while contributing to the development of web-based solutions.

SRM Technologies   Chennai, India
Research Intern   June 2025 - Present
- Worked on implementing data tokenization techniques to enhance data privacy and security in internal systems under technical mentorship.
- Contributed to the development of secure data handling processes, enhancing privacy and compliance in internal systems.

PROJECTS

CPU Scheduling Algorithms | https://github.com/SakshiS010/cpu-schedulling-algorithm
- Implemented a comprehensive suite of CPU scheduling algorithms including FCFS, Round Robin, SPN, SRT, HRRN, Feedback, and Aging to simulate and analyze process scheduling behaviors.
- Built with C++, the project features detailed timeline visualization and statistical analysis to aid understanding of different scheduling policies in operating systems.

Blockchain based Voting System | https://github.com/SakshiS010/blockchain-based-voting-system
- Ethereum-based decentralized application that ensures secure and tamper-proof elections, with admin-controlled voter verification and real-time result display for full transparency.
- Built using Solidity, Truffle, React, and Ganache, the system offers a complete development workflow and integrates Metamask for smooth user interaction with the blockchain.

Social Media Forensics API | https://github.com/SakshiS010/social-media-forensics-project
- Twitter Intelligence: Analyzes user behavior, sentiment, and engagement patterns through scraped Twitter data.
- Automated Reporting: Generates detailed forensic PDF reports with visualizations like heatmaps, word clouds, and network graphs.

SKILLS

CS Fundamentals: Data Structures, Algorithms, OOP, System Design, Complexity Analysis, Operating Systems, Computer Networks
Technology: Python, C, C++, Java, JavaScript, HTML, CSS, Tailwind, React, NodeJS, ExpressJS, MongoDB, SQL, MySQL, OpenAI API, Prompt Engineering, Computer Vision (OpenCV basics)
Tools: Git, GitHub, Docker (Beginner), UNIX/Linux, Kubernetes (Familiar), Firebase, Canva, Postman
Languages: English (Native proficiency), Hindi (Native proficiency), Korean (Elementary Proficiency)

CERTIFICATIONS

AWS Academy Graduate - AWS Academy Machine Learning Foundations (Issued: Feb 21, 2024)
Certified Associate in Cybersecurity - Fortinet (Valid Till: June 16, 2027)
Data Analytics and Visualization Job Simulation - Accenture (Issued: Aug 29, 2024)