SMITA SINGH

Lucknow **DOB:** 8-Oct-2002

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EDUCATION

Course	Institute	Year of Passing	Result
B.Tech (EE)	IIT Jammu	Expected May 2025	7.93 CGPA
12th Standard	Lucknow Public School	2020	90.4%
10th Standard	Lucknow Public School	2018	90.2%

SCHOLASTIC ACHIEVEMENTS

- Attained rank 700 in UPTU out of 1.5 lac appearing candidates (2020)
- Secured rank within 10% in JEE Advanced (2021).
- Zonal Topper in MIMAMSA IISER Pune (2024).

WORK EXPERIENCE

Fusion Tech (Mar 2024 - Dec 2024) ✅

Intern

- Developed a series of Python scripts that streamlined the server security checks, reducing manual intervention by 90 hours over three months and ensuring faster deployment cycles for development teams.
- Created a custom script for automatic vulnerability detection using git pre-hooks, enabling checks before code commits.
- Monitored server performance by collecting and analyzing data from Windows Performance counters while calculating key metrics for Windows Server 2016 and 2019.
- Utilized git and shell scripting to gather and analyze statistics on code contributions, enabling effective tracking of team activity and individual contributions.
- Designed a PostgreSQL database to store compliance scan results while retrieving contributor information and relevant vulnerability data for analysis.
- Evaluated AWS security tools (AWS Recon, PMapper, Cloudsplaining, CloudFox, AWS Security Viz), documenting capabilities, execution times, JSON outputs, and visual security insights.

PROJECTS

Chatting App with MERN Stack

https://github.com/WebsiteDeployGit/chat-app

- Developed a dynamic MERN stack website with real-time messaging and online status tracking using Socket.io and React.
- Implemented secure JWT-based authentication for login/registration and efficiently managed global state using Zustand.
- Enhanced UI/UX with TailwindCSS and Daisy UI, ensuring a responsive, modern, and visually appealing interface.

Fourier Domain Adaptation Between Real and Simulated Data (Jan 2024 - Apr 2024)

- Implemented Fourier domain adaptation techniques to align real-world and simulated data distributions.
- Applied Fourier analysis and algorithms to bridge dissimilarities between datasets from different environments.
- Utilized Python and NumPy to overcome data dissimilarities, achieving significant improvements in alignment accuracy.

SKILLS

Cloud	Azure
Softwares	Git,Github, Gitlab
Database Management	MySQL, Mongoose, MongoDB
Programming Languages	Python, C/C++, Linux, Shell Scripting
Web Developement	HTML and CSS, React, Bootstrap, NodeJs
Windows Development	Python with Win32 (Windows API) calls, Internal Windows API calls using WMI
Open-Source Integration	Golang, Bash, and Ruby

ADDITIONAL DETAILS

Memberships

- Member of Event Head management of Cultural Fest.

Position of Responsibility

- Cadet, National Cadet Corps (C certificate)
- Member of CDS, IIT Jammu

Extracurricular Activities

- Solved 200+ leetcode questions.
- Certificate of completion for Nestle E-learning (2024)|Sustainability.
- Participated in French Learning Workshop
- Attended Finance Workshop.
- Secured gold in intra IIT sports meet (basketball)
- Played district level football in 2014.

Hobbies: Badminton, Basketball , Football

Languages: English (Fluent), Hindi (Fluent), French (Basic)