

Shalini Sharma

West Delhi, New Delhi, India

+91-9650578744 | shalinishalu462002@gmail.com | LinkedIn | GitHub

EDUCATION

Centre for Development of Advanced Computing (CDAC), Noida

Master of Computer Applications

Affiliated to Guru Gobind Singh Indraprastha University, Delhi

2023 – Expected 2026
First Semester CGPA: 9.25/10

Shaheed Rajguru College of Applied Sciences for Women, Noida

Bachelor of Computer Science (Hons)

Affiliated to University of Delhi

2020 – 2023
Overall CGPA: 8.86/10

Rajkiya Pratibha Vikas Vidyalaya, New Delhi

Senior Secondary (CBSE)

2019 – 2020
Overall Percentage: 81.8%

Sarvodaya Kanya Vidyalaya, New Delhi

Higher Secondary (CBSE)

2017 – 2018
Overall Percentage: 80.8%

TECHNICAL STRENGTHS

Computer Languages	JavaScript, Python, C++, SQL
Frameworks & Technologies	React.js, Node.js, Express.js, MongoDB, MySQL, Nginx, Docker, Git
Tools & Platforms	Linux (Ubuntu, Kali, Red Hat), Firewall (IPTables, UFW)
Subjects of Interest	Object-Oriented Programming (OOPS), Web Security, Machine Learning, Database Management Systems (DBMS), Computer Networks, Operating System
Soft Skills	Communication, Problem-Solving, Critical Thinking, Adaptability, Team Collaboration, Time Management

PROJECTS

DDoS & Slowloris Detection and Mitigation System ([Link](#))

An AI-driven system designed to detect and mitigate DDoS attacks, particularly Slowloris, using machine learning techniques. Converts real-time packet-level data into flow-level features, detects anomalies using trained models, and applies preventive mechanisms to block malicious traffic. Built for deployment on Nginx web servers with real-time capabilities.

Implementation: Python, Scikit-learn, Pandas, Numpy, Wireshark, Flask

Virtual Assistant Project ([Link](#))

A voice-controlled virtual assistant built with HTML, CSS, and JavaScript. Listens to user commands, recognizes voice inputs, and responds using speech synthesis. Greets users based on the time of day and executes predefined actions.

Implementation: Python

Node.js MySQL CRUD API ([Link](#))

A system for managing student records with Express.js. Supports CRUD operations, structured error handling, and scalability. Setup involves cloning, installing dependencies, configuring MySQL, and running the server.

Implementation: Node.js, Express.js, MySQL

Personal Portfolio ([Link](#))

Description: A personal portfolio website showcasing skills, projects, and achievements with an interactive and user-friendly design.

Implementation: HTML, CSS, JavaScript

Tic Tac Toe ([Link](#))

Description: A classic Tic-Tac-Toe game built with HTML, CSS, and JavaScript. Allows two players to alternate turns as “X” and “O” until a win or draw.

Implementation: HTML, CSS, JavaScript

ACADEMIC AND PROFESSIONAL ENHANCEMENTS

Certificates:

- CyberSecurity & Cyber ThreatHunting for Web Applications, IGDTUW(22 to 27 Feb 2025)
- Web Development Fundamentals, IBM SkillsBuild (Jan 2025)
- Hands-On React JS From Beginner to Expert, Udemy (Jan 2025)
- Node JS Certification Course – Master the Fundamentals, Scaler (Feb 2024)
- Front-End Software Engineering, Forage (Skyscanner) – Virtual Practice (Oct 2023)

Review Paper:

- **“Detection and mitigating Slow-loris DDos using ML tool: A comparative study and novel solution”** [review paper](#)

A comprehensive review paper analyzing 12 cutting-edge research studies focused on detecting and mitigating DDoS and Slow-loris attacks using machine learning techniques and defense mechanisms. Emphasized real-time traffic analysis, conversion of packet-level data to flow-level features, model training, and intelligent prevention strategies.

Presented as part of an academic research project under the MCA curriculum.

POSITION OF RESPONSIBILITY

- Whiz Quiz (Tech Mélange’22) – Shaheed Rajguru College Jan 2022 (**Event Volunteer**)
Assisted in organizing the technical quiz, ensuring smooth execution and participant engagement.
- Euphoric Coders Hub (**Community Founder**)
Established and led a community focused on coding and technical skill development.

EXTRA-CURRICULAR

- Participated in Sky scanners virtual Front-End Engineering project via Forage.com (Oct 2023).

Date of Birth: 04/June/2002

Languages: Hindi, English, Spanish (Beginner)

Signature: Shalini

Date: May 22, 2025