Roshni Sharma

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EDUCATION

VIT Bhopal University *Nov 2022 – Present*
B.Tech in Computer Science and Engineering (Specialization: Cybersecurity and Digital Forensics)
CGPA: 8.7

Sai Vikash Vidya Niketan *Nov 2020-2022*
Class XII(Intermediate)
Percentage:93.6%

St. Mary's Higher Secondary School *2020*
Class X
Percentage:92.3%

SKILLS

- **Languages:** Java, Python, JavaScript, SQL
- **Frameworks/Tools:** Spring Boot, React.js, Kafka, Docker, Kubernetes, Prometheus, Grafana, Git, VS Code
- **Web Technologies:** HTML, CSS, REST APIs, Microservices Architecture, Axios, WebSockets
- **Databases:** PostgreSQL, MySQL, Elasticsearch, MongoDB
- **DevOps & Cloud:** Docker Compose, Helm, Kubernetes (basic), CI/CD (concepts), Monitoring Observability
- **Cybersecurity:** Kali Linux, Wireshark, Burp Suite, Digital Forensics (Basics)
- **Soft Skills:** Leadership, Problem-solving, Teamwork, Time Management
- **Problem Solving:** Strong grasp of Data Structures and Algorithms including Arrays, Strings, Trees, Graphs, Dynamic Programming, Greedy, Recursion

EXPERIENCE

The Red Users Feb 2025 – Mar 2025
Incoming Cyber Security Intern

- Undergoing simulated penetration testing training and SIEM-based log analysis.
- Learning secure coding practices and applying NIST, ISO 27001 guidelines.

LEADERSHIP & INVOLVEMENT

Founder, North-East Club VIT Bhopal — May 2024 – Present

- Founded and led 100+ member cultural club; coordinated large-scale events and logistics.
- Organized 3+ regional events with 500+ attendees; improved cultural inclusivity on campus.

TECHNICAL PROJECTS

Fake Profile Detection Using Multilayer Perception (MLP) Aug 2023 – Oct 2023
Cybersecurity + Machine Learning Developer

- Developed a deep learning-based fake profile detection engine using TensorFlow and Keras, achieving 90–98% accuracy across datasets from multiple social platforms.
- Preprocessed large social media datasets with Pandas, Scikit-learn and NumPy, implementing scaling and cleaning pipelines.
- Built and evaluated MLP architectures with dropout, ReLU activation, and softmax output layers, improving generalization by 12%.
- Visualized performance using confusion matrices, precision/recall graphs, and validation loss curves for robust model interpretation.

Tools: Python, TensorFlow, Keras, Pandas, NumPy, Scikit-learn, Matplotlib

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CERTIFICATIONS

Python Essentials Vityarthi, 2023

Core Python for ML, cybersecurity, and data-driven applications.

Industrial IoT Markets and Security Coursera, 2023

Covered IIoT architecture and foundational cybersecurity principles

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ACHIEVEMENTS

- Awarded **Ms. GLAM** in GLAM VIT 2025 during Annual College Fest Advitya 2025