Shahi Shreshth
Software Engineer

📞 +91-9315230844
✉ shahishresth@gmail.com
⯃ github.com/shahishree03
in linkedin.com/in/shahishreshth
🌐 Portfolio

EDUCATION

•**Master of Technology in Computer Science and Engineering (Information Security)**   *2023–2025*
Vellore Institute of Technology, Vellore, India   CGPA: 8.9

•**Bachelor of Engineering in Computer Science and Engineering (Cloud Computing)**   *2019–2023*
Chandigarh University, Mohali, Punjab, India   CGPA: 7.76

EXPERIENCE

•**CyberSecurity Trainee**   *Nov 2024 - June 2025*
NEC Corporation   Noida

- Collected and reviewed 50+ academic and industry references and performed 30+ SonarQube scans to extract CTI and CVSS data.
- Implemented a risk profiling model that increased detection rates to 85% and custom tools for risk classifications and vendor analysis, automated profile updates, and boosted client productivity by 20%
- Produced a threat report with CTI-driven insights, improving critical vulnerability identification by 20% and securing stakeholder approval forfuture planning (FY24)
- Launched an enterprise-wide AI vulnerability program (FY25) to enhance system security.
- Orchestrated bi-weekly access control audits using Splunk and IAM tools.

•**Salesforce Smartinternz Virtual Intersnhip**   *April 2022 - June 2022*
AICTE   Online

- Interned at Salesforce; worked on Apex and automation tools in a 10-member dev team.
- Enhanced and optimized internal systems and workflows, improving process efficiency and gaining hands-on experience in Salesforce development.

PERSONAL PROJECTS

•**Handwritten Signature Verification**

(TechStack : Python, SVM, NumPy , Scipy, Sklearn , Imagehash, CV , Matplotlib, Pytesseract)

- Built scalable datasets for signature recognition using OCR and line-sweeping; increased model accuracy by 20%.
- Developed and deployed SVM-based signature verification achieving 91% accuracy through advanced feature extraction.
- Optimized model deployment and verification pipeline using Python, improving speed, reliability, and resource efficiency.

•**Vehicle Detection System**

TechStack : CV, Numpy , Matplotlib, Re, Yolov3

- Built a real-time traffic management system using Python and OpenCV; achieved 95.4% accuracy in detecting violations.
- Streamlined backend with SQL integration; improved data accuracy to 89.33% and accelerated large-volume query performance.
- Applied modular design with scalable architecture; ensured performance stability across dynamic, real-time environments.

•**Cloud Attendance System**

TechStack : PHP , CSS, SCSS, HTML, JavaScript.

- Managed full-stack application development using PHP and MySQL, deployed on AWS Cloud, improving performance metrics by 30%.
- Integrated facial recognition for attendance tracking, reducing manual processes by 40% and increasing accuracy.
- Implemented QR code generation for employee management, streamlining workflows and boosting efficiency.

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Python, Javascript, HTML+CSS
Web Dev Tools: Nodejs, VScode, Git, Github
Frameworks and Protocols: ReactJs, Rest API, MVP
Databases:MongoDb, Relational Database(mySql)
Cloud & DevOps:CI/CD, Microservices, AWS Services, Docker)
AI/ML :CNN, LLM, Deep Learning, Computer Vision
Relevent Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Networking, Software Engineering.
Soft Skills: Problem Solving, Critical Thinking, Creativity and Analytical Solutions, Presentation