

# Mani S Neeraj

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📍 Chennai, India

## PROFILE

I'm a final-year Computer Science engineering student with a keen interest in AI, prompt engineering, and cybersecurity. Over the past few years, I've developed hands-on skills in Python, C++, and React—building everything from secure systems to user-friendly interfaces.

I enjoy solving real-world problems through code, whether it's crafting responsive apps, working on secure architectures, or diving into ethical hacking. I'm also comfortable navigating DevOps tools and have a good eye for UI/UX design.

Beyond tech, I'm someone who loves to learn and communicate in multiple languages, and exploring how technology can make life easier across various platforms.

## EDUCATION

**SRM Institute of Science and Technology** ⓘ Expected 05/2026 | Chennai  
B.Tech CSE, CGPA : 8.37

**Chennai Public School** ⓘ 05/2022 | Chennai  
12th Grade, CBSE

**SBOA Matric & Higher Sec. School** ⓘ 06/2020 | Chennai  
10th Grade, SSLC

## SKILLS

<b>Programming Languages</b>	: Python, C++, C, JavaScript, HTML, Java
<b>AI - Machine Learning - Prompt Engineering</b>	: YOLO (Object Detection), OpenCV, scikit-learn, Vibe-Coding, Convolutional Neural Networks (CNN), Tensorflow
<b>Software Development &amp; UI/UX</b>	: Tkinter, PyQt, Event-Driven Programming, Flask
<b>Database &amp; Backend</b>	: SQL, SQLite, Supabase, Microservices (Flask)
<b>DevOps &amp; Tools</b>	: Git, GitHub, VS Code, n8n, Docker
<b>Cybersecurity &amp; OSINT</b>	: OSINT Tools, Ethical Hacking (Python), Secure System Design
<b>Soft Skills &amp; Languages</b>	: Team Collaboration, Problem Solving, Communication, Time Management, Creative Thinking, Conflict Resolution

## EXPERIENCE

**Intern – Full Stack Developer** ⓘ 08/2025 – Present  
GRCfy technologies Pvt Ltd., Chennai ⓘ

- Collaborated with the product team to develop features for a **cloud security platform**, focusing on improving auditor workflows.
- Designed and implemented **UI components** for the auditor dashboard, enhancing usability and efficiency.
- Contributed to **backend modules** that automated compliance workflows, reducing manual effort.
- Gained end-to-end exposure to the **SaaS product lifecycle**, from development to deployment.

## PROJECTS

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### Image Detection System (Python, YOLOv5, PyTorch, CNN, OpenCV) [↗](#)

- Built a real-time object detection system using YOLOv5, achieving high precision on a custom 5000 image dataset.
- Integrated a CNN for feature extraction and optimized the pipeline with TensorRT, reducing inference time by 40%.
- Deployed as a lightweight desktop demo for edge devices, running at 30 FPS.

### MoS – Mouse-to-Steering System (Python, Tkinter, pyvjoy, pynput) [↗](#)

- Developed a real-time mouse-to-joystick converter enabling smooth, analog-style steering for racing games.
- Implemented proportional input mapping with dynamic sensitivity control and customizable UI.
- Used in racing games to simulate realistic steering wheel input.

### FRS – Face Recognition System (React, TypeScript, face-api.js, HTML, Tailwind CSS) [↗](#)

- Developed a browser-based face recognition system using face-api.js, enabling real-time detection and identity matching via webcam.
- Built a responsive React frontend with dynamic rendering for detection overlays and match status indicators.
- Designed for privacy-safe, client-side use cases in visitor logging, attendance, or identity demos.

### SideKick – AI-Powered Desktop Assistant (Python, PyQt, OpenAI API, Claude, Gemini) [↗](#)

- Designed and implemented a floating desktop assistant that can respond contextually across any active app.
- Supports multiple AI models (ChatGPT, Claude, Gemini, DeepSeek) with switchable backends.
- Engineered prompt pipelines to enhance user input (summarization, code beautification, content generation).

### CloudGuardianAI - Cloud Security Compliance Platform using Microservices (Flask, Python, HTML/CSS ,N8N)

- Developed UI components for the auditor dashboard, improving usability and workflow visibility.
- Built backend modules to automate compliance workflows, reducing manual effort for auditors.
- Designed microservices for secure authentication, implementing encrypted storage of usernames and passwords.
- Implemented a text–PDF conversion microservice, enabling bidirectional conversion between textual data and PDFs for document processing.

## CERTIFICATES

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Cyber Samurai Program in Cyber Defense (IIT Jodhpur) [↗](#)

AI applications using Jetson Nano (NVIDIA) [↗](#)

Computer Networking (Udemy)

Ethical Hacking using Python (Udemy)

## LANGUAGES

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English

Tamil

German (Basic)

French (Basic)