Shubham Rane

SDE | Cybersecurity | AI ML
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https://github.com/Shubhamrane1206

Education

Karnatak University — Dharwad , Karnataka
Bachelor of Computer Applications in Computer Science, AI/ML — *Sep. 2023 – June 2026*

Kendriya Vidyalaya Karwar — Karwar, Karnataka
Higher Secondary Education in Physics,Chemistry,Mathematics and Computer Science — *Apr. 2021 – Apr 2023*

Experience

Independent Software Development & Technical Labs — Software Development
Remote — *2025 – Present*

- Build and maintain practical software projects involving web development, Python automation, AI integration, cloud deployment and security engineering
- Develop applications from problem definition and implementation through testing, debugging, documentation, and deployments
- Apply programming, problem-solving, API, database, Linux, and software-engineering concepts to hands-on projects

Projects

EastDawn | *Python, Llama 80B , TSX , React, API , Routing , Github , PostgreSQL* — May 2026 – June 2026

- Developed an AI-powered full-stack learning platform that generates personalized cybersecurity courses and structured learning roadmaps
- Implemented frontend, backend, application workflows, deployment, and AI integration as an end-to-end software project
- Designed the platform around automated content generation and personalized learning experiences
- Accessible at : Access it here

Stegano-X | *Python, Security Suite, Typescript , Cryptography , Digital Forensics* — Aug 2026 – Aug 2026

- Built a software suite for covert-data encoding, extraction, encryption, and steganalysis across digital media
- Implemented LSB steganography, AES-256 payload protection, zero-width Unicode techniques, PDF inspection, and steganalysis workflows
- Accessible at : Access it here

AI Stock Market Detection System | *Python, ML, Data Analysis, Regression* — Nov 2025 – Nov 2025

- Designed and deployed an AI-based system to analyze historical stock-market patterns and surface market trends through a web interface
- Won an Exhibition Prize for innovation and practical implementation at the college technology showcase
- Accessible at : Access it here

Technical Skills

Languages: Python , Java, Linux, C/C++, SQL (Postgres)(MySQL), JavaScript, HTML/CSS, R
Software Engineering: DSA, Object-Oriented Programming, Problem Solving, Debugging
Cybersecurity: Web Application Security, Vulnerability Assessment, Secure Coding, Ethical Hacking
Frameworks: React, Node.js, Oracle OCI, Metasploit, Jupyter , API Routing
Cloud & AI: Oracle Cloud Infrastructure (OCI), Cloud Computing, Artificial Intelligence, Machine Learning
Developer Tools: Git, Oracle VMWare, Antigravity, Claude, VS Code, Burpsuite, Wireshark, Kali Linux, Nmap

Certifications/Licenses

ORACLE | *Oracle Cloud Infrastructure Foundation Associate* — July 2026 – July 2028
Accessible at : View here

HackerRank | *HackerRank Verified Software Engineer* — Aug 2026 – Aug 2028
Accessible at : View here