

TANISH JAIN

Bengaluru, India

+91 6264744847 | tanishjain797@gmail.com | linkedin.com/in/tanishhjain | github.com/tanishhjain | tanishjain.dev

Professional Summary

Final-year Computer Science undergraduate (CGPA: 8.79/10) with hands-on backend and DevSecOps experience – designed a 7-stage zero-touch CI/CD pipeline (Jenkins, Docker, SonarQube, Trivy) and a 4-stage REST API automation pipeline, plus systems-level tooling grounded in core CS fundamentals (compilers, lexical analysis). Comfortable owning services end-to-end across Python, JavaScript/Node, and FastAPI/Flask.

Education

B.N.M. Institute of Technology <i>Bachelor of Engineering in Computer Science</i>	2023 – 2027 <i>CGPA: 8.79/10</i>
Kendriya Vidyalaya Sangathan <i>Class XII (CBSE)</i>	2020 – 2022 <i>85.6%</i>
Kendriya Vidyalaya Sangathan <i>Class X (CBSE)</i>	2018 – 2020 <i>91.2%</i>

Experience

Deep Learning and Reinforcement Learning Intern <i>E2E Management Services</i>	Jun 2025 – Jul 2025 <i>Bengaluru, India</i>
– Improved validation accuracy by 8–12% via systematic hyperparameter tuning of ML/DL models using Python-based pipelines. – Applied RL for decision-making simulations; evaluated models using precision, recall, F1, and cross-validation metrics.	

Projects

DevSecOps CI/CD Pipeline – Wanderlust <i>Jenkins, Docker, SonarQube, Trivy, Node.js, React, MongoDB</i> GitHub	2026
– Designed and automated a 7-stage DevSecOps pipeline using Jenkins, transforming a fully manual deployment process into a zero-touch, event-driven workflow triggered via GitHub Poll SCM. – Integrated SonarQube (custom quality gate) and Trivy for SAST and CVE scanning; resolved real operational failures including ephemeral SSH key persistence and SonarQube endpoint instability from dynamic container IP reassignment.	
Automated Cold Outreach Pipeline <i>Python, REST APIs, Ocean.io, Prospeo, Hunter.io, Brevo</i> GitHub Demo	2026
– Built a fully automated 4-stage B2B outreach pipeline in Python – one domain triggers lookalike company discovery, decision-maker sourcing, email resolution, and personalized outreach with zero manual steps. – Integrated 4 REST APIs (Ocean.io, Prospeo, Hunter.io, Brevo); pipeline sourced 25+ verified decision-maker contacts across 5 lookalike companies from a single domain input in a live demo.	
Mortgage Loan-File QA – RAG System <i>FastAPI, React, FAISS, PaddleOCR, Ollama</i> GitHub	2026
– Designed a FastAPI backend and Vite/React frontend around a swappable LLM-provider layer (local Ollama or Gemini API) for a full OCR-to-answer document pipeline, enabling fully self-hosted deployment with no external API dependency by default.	
Addressing Mode Selector <i>C, Flex/Lex, GNU Make</i> GitHub	2026
– Built a compiler-design tool that tokenizes memory-reference instructions with a Flex-generated lexical analyzer and C-based logic to identify the correct addressing mode across 8 supported types, with a web frontend for interactive use.	

Technical Skills

Languages	: Python, JavaScript, Java, SQL, C
Web Tech	: MERN Stack, Flask, FastAPI, REST APIs, HTML/CSS, Tailwind CSS
DevOps & Tools	: Docker, Git, GitHub, Jenkins, SonarQube, Trivy
Databases	: MySQL, MongoDB
AI / ML	: TensorFlow, Scikit-learn, XGBoost

Certifications

- Introduction to MongoDB (For Students) – MongoDB Inc. (2025)
- Tata – Cybersecurity Analyst Job Simulation (2025)

Additional Information

Languages	: English (Professional), Hindi (Native), Japanese (Beginner)
Interests	: Chess, Exploring AI/ML Tools, Attending Tech Meetups & Developer Events