

TANISHQ THUSE

Portfolio | [✉ tanishq.thuse23@vit.edu](mailto:tanishq.thuse23@vit.edu) | [in https://tinyurl.com/tanishqthuse](https://tinyurl.com/tanishqthuse) | [GitHub https://github.com/TanishqThuse](https://github.com/TanishqThuse) | Mobile : 9422337083

Education

Vishwakarma Institute of Technology, Pune

2023 – 2027

B.Tech in Computer Science and Engineering(Artificial Intelligence)

[CGPA](#) - 8.9

Nowrosjee Wadia College, Pune

2021 – 2023

Class 12 (PCM+Electronics)

Percentage - 80%

Experience

Data Science Intern | Cognify Technologies

May 2024 - Jun 2024

- Assisted in data preprocessing and building ML models, improving model performance by 15%.
- Developed Python scripts for data cleaning and automation, reducing processing time by 30%.
- Collaborated on data analysis projects using Pandas, NumPy, and Scikit-learn.

Web Development Head | ISA VIT Pune

Nov 2024 – Present

- Led a team of web developers in designing and deploying multiple projects for the ISA (International Society for Automation) VIT Pune Student Section, enhancing the club's digital presence.
- Fostered collaboration and skill-building within the team, promoting innovation and technical growth.

Projects

Face Anti-Spoofing Detection System | Python, OpenCV, Machine Learning, Flask | Smart India Hackathon 2024 (Grand Finale) | [Link](#)

- Engineered an advanced face liveness detection system to secure UIDAI's browser-based authentication platform, addressing vulnerabilities such as photo, video, and 3D mask spoofing.
- Shortlisted for the SIH 2024 Grand Finale, recognized for meeting stringent functional requirements and delivering an innovative edge-computing solution.

AI-Powered EdTech Platform with RAG for Personalization | RAG, LLM, FAISS, Gemini, LangChain, Streamlit | [Link](#)

- Developed an AI-powered EdTech platform using RAG and LLMs to deliver personalized learning experiences, including adaptive quizzes, tutoring, and study roadmaps.
- Integrated Gemini AI, LangChain, and FAISS for semantic search, document/video summarization, and NLP-based student query handling via an interactive Streamlit UI.

Vehicle Management System – Java Swing GUI Application | Java, Swing (WindowBuilder), OOP, MVC Pattern | [Link](#)

- Developed a desktop-based vehicle management system with separate modules for Dealers, Customers, and Admin using Java Swing and OOP principles.
- Implemented login/signup, vehicle listing, purchase request handling, and admin control features using JPanels, JTables, and object inheritance without persistent storage.

Achievements

- Top 11/497 teams in Internal SIH at VIT
- SIH 2024 Finalist (Dec 2024)
- 230+ Days on LeetCode & 100+ On CodeChef
- Top (13.4%) @LeetCode Max (1,696)
- 1000+ questions solved on Leetcode & Other Platforms
- Contributor @GSSoC'24 Open Source Event

Technical Skills

Languages: Python, Java, C/C++, JavaScript, SQL, R, Rust, Go

Web & Cloud Technologies : React.js, Next.js, Node.js, Flask, Express.js, Streamlit, Django, REST APIs, Docker, Firebase, GCP, AWS / Azure, MongoDB, Vercel / Heroku, TypeScript, Postman

AI/ML & Data Science: NumPy, Pandas, Scikit-Learn, TensorFlow, PyTorch, Keras, Matplotlib, Seaborn, OpenCV, YOLO, RAG, Hugging Face, Transformers, LangChain, GenAI

Coursework: Data Structures and Algorithms, Operating Systems, Artificial Intelligence, Data Visualization, Problem Solving and Programming, Robotics. DBMS, OOPS, IoT

Tools & Development Practices : Git & GitHub, Linux, Docker, Postman, Jupyter Notebook, Google Colab, CI/CD (basics)

Profile Links

Codolio : <https://codolio.com/profile/TanishqThuse>

LeetCode : <https://leetcode.com/u/TanishqThuse/>

CodeForces : <https://codeforces.com/profile/TanishqThuse>

LinkedIn : <https://www.linkedin.com/in/tanishq-thuse-32472b248/>

Github : <https://github.com/TanishqThuse>

Codechef : https://www.codechef.com/users/tanishq_thuse

GeeksForGeeks : <https://www.geeksforgeeks.org/user/tanishqtm6q/>

AtCoder : <https://atcoder.jp/users/TanishqThuse>

