

Motivated and solution-driven Computer Engineering undergraduate with strong foundations in C/C++, embedded systems, operating systems, and multimedia software. Passionate about designing efficient software and hardware-integrated systems. Eager to contribute to Qualcomm's vision of inventing the next generation of wireless and mobile technologies by leveraging experience in AI/ML, Linux system development, and low-level programming.

EDUCATION

Bachelor of Engineering in Computer Engineering

Nashik | 2022 - 2026

Pune Vidhyarthi Griha's College of Engineering, Nashik

Ranked among the top 5% of the cohort with 8.71 SGPA.

WORK EXPERIENCE

Celebal Technologies

Nashik, India

Data Science Intern

May 2025 - Jul 2025

- Built a RAG pipeline with LangChain, boosting Q&A accuracy by **28%** and reducing latency by **35%**.
- Fine-tuned LLMs and optimized FAISS vector search, cutting response time by **42%**.

Tactique

Nashik, India

AI, ML and React Developer

Feb 2025 - May 2025

- Architected a gesture driven [Minecraft interface](#) utilizing **OpenCV** and **Mediapipe**, enabled keyboard-free gameplay.
- Engineered "Tattvadip" an **NLP powered AI system** that extracts philosophical insights with **75% improvement**.
- Automated internal [email workflows](#) in Python, increasing communication by 50% using SMTP and custom logic.

Talent Battle Pvt Ltd

Nashik, India

DSA and Aptitude Trainee

Dec 2024 - Feb 2025

- Completed **10+ advanced DSA modules**, enhancing problem-solving proficiency.
- Achieved **95% accuracy** in simulated coding tests and aptitude assessments.
- Simulated real-world coding interviews in **Agile Scrum-based** test environments.

Internship Studio

Nashik, India

Machine Learning Intern

Sep 2024 - Nov 2024

- Trained a CNN model for YouTube content classification, improving **detection accuracy by 21%**.
- Engineered an image analysis pipeline using **OpenCV** and **3Python**, increasing batch processing efficiency by **30%**.
- Applied object detection to real world videos, improving data extraction **efficiency by 30%**.

SKILLS

- Programming & OS:** C, C++, Python, JavaScript, SQL | Linux, Windows, Android (Kernel, BSPs)
- Embedded & Networking:** Device Drivers, RTOS, TCP/IP, UDP, GSM/LTE, SIP, RTP
- Tools & Technologies:** Flask, Django, React.js, Git, Power BI, Tableau, Google Colab, VS Code
- Advanced Areas:** Multimedia (Audio/Video/Image), OpenCV, TensorFlow, FAISS, LangChain | Agile, Communication

CERTIFICATIONS

- NASA Space Apps Finalist, **ISRO Hackathon**, **Google Analytics**, **Coursera AI and ML**, Udemy Python, Unstop Hackathon Certifications, **Avishkar ('24)**, Internal SIH (2024), Infosys Springboard, Forage Job Simulations.

PROJECTS

Tattvadip – NLP Insight Engine | Python, LangChain, GCP, CI/CD

Jun 2025 - Present

- Introduced *Tattvadip*, an NLP-based tool extracting insights from ancient texts, improving content clarity by **75%**.
- Used **semantic analysis** and deployed via cloud (GCP) using CI/CD pipelines and Git integration.

[VenomLearn A python Library that teaches python](https://pypi.org/project/VenomLearn/) (<https://pypi.org/project/VenomLearn/>)

Apr 2025 - Jun 2025

- Designed and embedded compiler to teach coding fundamentals, achieving over **85% task completion** in user testing.
- Launched *VenomLearn*, a Python library with an integrated compiler to teach coding fundamentals interactively.

[Intervee AI-Powered Interview Simulator](https://intervee.vercel.app/) (<https://intervee.vercel.app/>)

Feb 2025 - Mar 2025

- Orchestrated an AI-driven simulator leveraging NLP and voice analysis to deliver real-time interview feedback.
- Designed scalable **back-end APIs** and integrated Git-based workflow for modular team contributions.

[Stega Shield: Secure Data Embedding](https://staga-sheild.vercel.app/) (<https://staga-sheild.vercel.app/>)

Nov 2024 - Dec 2024

- Devised a cryptographic embedding framework combining steganography with AES for secure data transmission.
- Enabled secure transmission of sensitive data with a **100% decode** success rate in testing.

HONORS

- Academic Topper, Rank 1** in 2 Semesters | Ranked in **Top 5%** with 8.71 SGPA.
- Finalist in 7+ Hackathons (NASA Space Apps, ISRO, Avishkar)
- Filed research paper on **AI-Driven Generative Architectural Design**.