

Nimish Selot

✉ nimishselot@gmail.com

☎ +91-7693017990

🌐 [linkedin.com/in/nimish-selot](https://www.linkedin.com/in/nimish-selot)

🐙 github.com/nimish1402

Education

Vellore Institute of Technology, Bhopal

Oct 2022–Jun 2026

Bachelor of Technology in Computer Science and Engineering

GPA: 8.96/10.0

- Relevant Coursework: Data Structures, Algorithms, Database Systems, Computer Networks

Vatsalya Public School, Sagar

Apr 2021–Jun 2022

All India Senior School Certificate Examination (AISSCE)

Score: 90%

Experience

Automation Intern

January 2025 – June 2025

Crowd Wisdom Trading, Israel (Remote)

- Architected 5+ production AI agents leveraging deep learning for email classification (90% accuracy), document extraction (85% precision), and financial time-series analysis using LSTM models for US stock performance prediction
- Engineered automated workflow orchestration reducing manual processing overhead by 50% and system runtime from 10 minutes to 2.5 minutes through algorithmic optimization
- Containerized ML pipelines using Docker + Kubernetes achieving zero-downtime deployment, implementing CI/CD practices that reduced environment provisioning time by 40%

Projects

Eco-Vault - Sustainable Marketplace Platform *(ReactJs, Node, PostgreSQL, OpenCV, AWS)*

[Link](#)

- Implemented real-time image processing pipeline using OpenCV and Google Gemini API for automated fraud detection, achieving 85%+ accuracy in identifying fraudulent listings through deep learning classification.
- Designed scalable microservices architecture on AWS EC2 with Docker containerization, handling 100+ daily API requests with sub-1-second latency
- Architected PostgreSQL database schema with normalized data structures, integrated Stripe escrow payment system and WebSocket-based real-time communication supporting 250+ secure transactions monthly

Vocalis - AI-Powered Interview Platform *(Next.js, TypeScript, Firebase, PostgreSQL)*

[Link](#)

- Developed intelligent interview analysis system using VAPI.ai for voice processing and Google Gemini for natural language understanding, reducing recruiter screening time by 40% through automated candidate evaluation
- Implemented low-latency transcription pipeline using Whisper API with sentiment analysis, supporting 10+ concurrent sessions with less than 10-second AI feedback response times
- Created bias detection algorithms using NLP techniques, identifying and flagging 30% more subjective evaluation criteria compared to manual reviews, enhancing interview fairness

Publications

Comparative Analysis of Convolutional Neural Network and Support Vector Machine for the Prediction of Alzheimer's Disease - DOI: [10.1007/978-3-031-89760-3_5](https://doi.org/10.1007/978-3-031-89760-3_5)

May 2025

Nimish Selot, Aayush Panwar, Siddhart S Chouhan

Technical Skills

- **Programming Languages:** C++, Python, Java, JavaScript
- **AI/ML & Deep Learning:** PyTorch, TensorFlow, OpenCV, ML Pipeline Scripting, Computer Vision, NLP
- **Graphics & Compute APIs:** OpenGL concepts, GPU/CPU Pipeline Architecture
- **Database & Backend Systems:** PostgreSQL, MongoDB, RESTful API Design, Microservices Architecture
- **DevOps & Version Control:** Git, Github, AWS, Docker, Kubernetes, Jenkins, CI/CD
- **Web Development:** React.js, Next.js, Node.js, Full-stack Development

Leadership and Achievements

- **Research Team Lead:** Alzheimer's Prediction Project – Guided development of CNN/SVM models for early disease diagnosis.
- **Design Team Lead,** Open Source Club (VIT Bhopal) – Led a 10-member team to design UI/UX for 5+ open-source projects.
- Top 5% scorer in **NPTEL Marketing Analytics (IIT Kharagpur)** – Demonstrated proficiency in Data Analysis, Data Manipulation & Statistical Proficiency:
- IBM Certified in **DevOps and Agile Methodologies** – Gained practical knowledge of CI/CD and Agile development practices.
- Solved 500+ DSA problems across LeetCode, GFG and CodeForces (Max Rating: 900)