

Nimish Selot

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Education

Vellore Institute of Technology, Bhopal
B.Tech in Computer Science and Engineering

October 2022 – June 2026

- GPA: 8.91/10

Vatsalya Public School, Sagar
Majors: Physics, Chemistry, Mathematics

April 2021 – June 2022

- GPA: 9.43

Experience

Automation Intern
Crowd Wisdom Trading

January 2025 – June 2025

- **AI-Driven Automation:** Developed and deployed multiple AI agents using Python and n8n to automate diverse tasks including email classification, data extraction, and workflow orchestration—reducing manual operations by over 50% across the organization.
- **Workflow Optimization:** Automated key business workflows using n8n, reducing human input by half and cutting process runtime from Approximately 10 minutes to under 3 minutes per job.
- **Scalable Deployment:** Containerized automation pipelines with Docker to ensure consistent deployment across dev and prod environments, reducing maintenance effort and onboarding time by 40%.

Publications

Comparative Analysis of Convolutional Neural Network and Support Vector Machine for the Prediction of Alzheimer's Disease

May 2025

Nimish Selot, Aayush Panwar, Dr. Siddhart S Chouhan

DOI: [10.1007/978-3-031-89760-3_5](https://doi.org/10.1007/978-3-031-89760-3_5)

Projects

Eco-Vault
Tech Stack: ReactJs, Node, Python, MongoDB, Express, Clerk API

[Github Repo](#)

- **Efficient Product Evaluation:** Built a Circular Economy Marketplace that used Gemini API to evaluate second-hand product listings based on text/image inputs and metadata, filtering out low-quality submissions using an 80+ rating threshold.
- **Fraud Prevention System:** Detects fake listings, issuing up to 3 warnings before permanently banning accounts, reducing fraudulent activity by 90%.
- **Optimized Performance & Security:** Implemented secure user auth with Clerk API and scalable storage with MongoDB, which helped block multiple unauthorized access attempts and ensured data integrity.
- **Seamless Deployment & Accessibility:** Built with React + Vite, integrated geolocation for nearby product discovery, and deployed on Vercel for fast, global access.

FrameForge:
Next.js, TypeScript, Firebase, PostgreSQL, OpenRouter AI, Gemini

[Github Repo](#)

- **Automated UI Code Generation:** Created a AI tool that converts UI wireframes into React components using AI (Gemini & LLaMA), cutting front-end prototyping time by over 50%.
- **Real-time Code Editor & Preview:** Integrated a live editor for AI-generated code, enhancing developer efficiency by 50%.
- **Secure & Scalable Storage:** Implemented Firebase Storage and Neon PostgreSQL, ensuring 99.9% uptime for seamless data management.
- **AI Model Selection:** Provided support for Gemini, Llama, and DeepSeek, enabling tailored code generation for diverse user needs.

Technologies

- **Programming Languages:** C++, Python, Java, JavaScript, R
- **Web Technologies:** ReactJs, NodeJs, Springboot, Flask
- **Database Systems:** PostgreSQL, MongoDB
- **DevOps & Version Control::** Docker, Kubernetes, AWS SageMaker, MLow

Certifications

- **NPTEL(IIT-Kharagpur):** Cloud Computing
- **IBM:** Devops and Agile Methodologies