

SUJIT NIRMAL

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Technical Skills

- **Languages & Frameworks:** Python, JavaScript, C++, Machine Learning, Deep Learning, NLP, GenAI, Neural Networks
- **Databases:** SQL, Firebase
- **Cloud & DevOps:** Google Cloud, AWS (Basic), Docker, Git, GitHub, Vercel, Render, PythonAnywhere
- **Problem Solving:** Strong DSA Fundamentals

Experience

HeadOn

Nov 2024 – Mar 2025

AI Researcher

New York, USA

- Conducted AI research on Middle East political topics during overseas meetings and strategy sessions.
- Led 5 focus groups (30 participants) discussing regional politics, generating insights that shaped the AI-driven social media platform.

Launchpad.AI

Oct 2024 – Jan 2025

AI Developer

Hawaii, USA

- Built a causal competitor analysis system, increasing product revenue by 2% via market gap detection and pricing optimization.
- Developed a serverless AI agent with Agentic RAG architecture, following MLOps best practices.
- Collaborated in global cross-functional meetings to align goals and enhance stakeholder satisfaction.

Endure Solutions

Mar 2024 – Aug 2024

SDE Intern

Pune, India

- Reduced website bounce rate by 23% via targeted UX/UI improvements from behavioral analytics.
- Boosted dev efficiency by 27% with structured code reviews and refactoring.
- Enhanced stability by implementing engineering best practices.
- Delivered high-impact POCs addressing real-world business problems.
- Built a 3D furniture visualization feature using React360, enabling AR-style previews for e-commerce.

Projects

ArogyaKrishi | GitHub

Live Demo

- Developed a farmer-focused web app for crop disease detection, soil prediction, and fertilizer guidance using ML.
- Enhanced sustainability by delivering precise, actionable agricultural insights.

HarvestConnect | GitHub

Live Demo

- Built a marketplace to connect farmers directly with buyers, ensuring transparency and fair pricing.
- Streamlined produce sales with a clean and intuitive listing interface.

Rakshak | GitHub

Live Demo

- Full-stack web-app to classify emails and messages (spam/ham) using ML with integrated features like chatbot
- Improved safety and clarity in digital communication channels.

Hackathons and Competitions

- **Data-Thon 2025** – 2nd Place Winner at Datathon 2025 .Successfully developed an end-to-end machine learning model.
- **100x Engineers (GenAI Hackathon)** – Cleared first round, shortlisted for MVP round.
- **Hackspiration by Devfolio** – Among top 30 teams selected from nationwide entries.
- Participated in 5+ offline and several online hackathons, delivering impactful tech solutions.

Education

DY Patil College of Engineering & Research

Bachelor of Engineering in AI & DS

Pune, Maharashtra