

OM SHINDE

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Professional Summary

Computer Science undergraduate and SDE intern experienced in full-stack development, REST APIs, AI-powered applications, and machine learning. Proficient in Python, JavaScript, React.js, Node.js, PostgreSQL, AWS, TensorFlow, and retrieval-augmented generation (RAG) using LangChain.

Technical Skills

Programming Languages: Python, JavaScript, SQL

Web Development: React.js, Next.js, Node.js, Express.js, REST APIs, Authentication, Payment Integration

AI/ML and Data: TensorFlow, LangChain, RAG, LLMs, NumPy, Pandas, Matplotlib, Data Processing

Databases, Cloud and Tools: PostgreSQL, MySQL, MongoDB, AWS, Git, GitHub, Linux, WSL, SFTP

Work Experience

AVINYA ROBOTICS

Aug 2026 – Present

Software Development Engineer (SDE) Intern

Bengaluru, India

- Delivered a dashboard tracking 300 performance metrics and processing up to 10 GB of daily robot data for 30 users across two teams, reducing analysis from weeks to approximately 40 seconds.
- Engineered an SFTP client enabling five users to extract approximately 60 GB/day from a robot, reducing transfer time from 1–2 hours to 10 minutes.
- Built a log parsing pipeline that processed eight files containing 500K lines each, converting 4 million unstructured log lines into analysis-ready data within about 10 seconds.

TEDMAX INNOVATIONS

Aug 2024 – Mar 2025

Technical Head

Bengaluru, India

- Engineered a local text-to-speech application using APIs and a pretrained model, generating up to 45 minutes of audio in approximately 5 minutes.
- Led a five-member technical team and delivered 20+ Linux and WSL training sessions while guiding text-to-speech feature integration.
- Implemented approximately 40 backend REST API endpoints for tedmax.in, supporting authentication and payment integration for 500+ users.
- Deployed PostgreSQL-backed services on AWS, reducing page-load time by 64%, from 9 seconds on a local server to 3.2 seconds over 4G.

Projects

LoanSaathi (Multilingual Loan Advisory Chatbot) [\[GitHub\]](#)

Mar 2025 – Apr 2025

- Built a conversational AI chatbot supporting 10 Indian regional languages and English by integrating SarvamAI translation APIs and OpenAI GPT; tested by 20 users.
- Architected a RAG-based agentic workflow using financial documents from 128 Indian commercial banks, achieving an average response time of 10 seconds.
- Processed income, credit scores, and financial documents locally to generate personalized loan recommendations with no configured per-user document limit.

Code Quest (AI-Based Gamified Learning Platform) [\[GitHub\]](#)

Jan 2024 – Mar 2025

- Created an AI-powered pixel-art coding game tested by 50 users to gamify programming and problem-solving practice.
- Integrated the Anthropic API to generate on-demand adaptive coding challenges in approximately 4 seconds, with no configured question limit.
- Designed a complete level with constrained skill assessments, progression logic, and a Gym Leader battle.

Achievements

- Won the **Game Development Track** at **NMIT Hacks 2025**, which drew 3,000 participants, with 58 teams advancing through selection.
- Secured **Second Runner-Up** at the **Roadmetrics AI Hackathon** among 30 selected participants.
- Achieved **Track Runner-Up** at **HACCVERSE'25** among 60 qualifying teams.
- Solved **500+ data structures and algorithms problems** across LeetCode and GeeksforGeeks.
- Served as **Community Manager** at **REVARENA**, organizing five esports tournaments for 5,000+ participants across 80+ universities.

Education

REVA University (8.34 CGPA)

Bachelor of Technology in Computer Science and Engineering

Aug 2022 – Present

Bengaluru, Karnataka

Ramsheth Thakur Public School (76.2%)

Class 12 (SSCE)

May 2022

Navi Mumbai, Maharashtra

Ramsheth Thakur Public School (87%)

Class 10 (SSE)

Mar 2020

Navi Mumbai, Maharashtra