

Arpit Sarang

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PROFESSIONAL SUMMARY

Full-stack Developer specializing in the MERN stack, TypeScript, and MySQL. Skilled in backend architecture with additional exposure to Golang and Python (Django). Currently architecting open-source solutions for web development workflows

EDUCATION

Bachelor of Technology (AI ML)	2024 - 2028
Newton School of Technology, Ajeenkya DY Patil University - Pune	Grade: 7.86/10.0
Intermediate (Class XII)	2021 - 2023
Rajkamal Saraswati Vidya Mandir	Grade: 83.0%
Matriculation (Class X)	2016 - 2021
Rajkamal Saraswati Vidya Mandir	Grade: 90.4%

INTERNSHIPS

Team Lead	May 2025 - July 2025
NST-SDC	<i>Virtual</i>
<ul style="list-style-type: none">Designed and developed a full-scale real-time Anonymous Q-A platform from scratch.Implemented room-based chats with live messaging using Socket.IO.Built interactive features including polls, reactions, and moderation tools.Ensured identity-free anonymous communication with persistent state handling.Used React.js, Supabase, Express, and Socket.IO to deliver a fast and scalable system.	

PROJECTS

Recoil (Github) (Demo)	December 2025
<ul style="list-style-type: none">Built Recoil, a tactical system utility using Tauri v2 (Rust) and React, enabling instant identification and termination of processes occupying specific network portsImplemented live TCP port monitoring to scan and display active listeners in real timeDesigned a one-click "Sniper Button" to immediately terminate processes by PIDDeveloped smart search filtering by process name (e.g., node, python), PID, and port number for rapid debuggingIntegrated real-time CPU and memory telemetry using system-level APIsEngineered a dark-mode, developer-focused UI optimized for speed, clarity, and low distractionBuilt a cross-platform core in Rust for high performance and system stability (currently optimized for macOS)	
CodeMaverick-Fine-tuning (Github) (Demo)	November 2025
<ul style="list-style-type: none">Fine-tuned a large language model on Kaggle using Hugging Face with PEFT / QLoRA.Performed full data preprocessing, tokenization, and training pipeline setup.Applied 4-bit quantization to reduce model size and improve inference efficiency.Evaluated model performance and exported a lightweight, task-optimized LLM.Delivered a model ready for fast, low-cost, production-grade inference.	
Maverick-cli (Github) (Demo)	November 2025
<ul style="list-style-type: none">Built an AI-powered intelligent CLI tool with a full-stack architecture.Implemented a Next.js frontend and an Express backend.Used Prisma ORM for structured database management.Integrated better-auth for secure authentication and session handling.	

- Designed the system for fast, developer-friendly, command-line workflows.

Golang-Student-RestAPI ([Github](#)) ([Demo](#))

September 2025

- Built a **RESTful Student Management API** using **Go** and **SQLite**, implementing core CRUD operations.
- Implemented **YAML + environment-based configuration**, request validation, and **structured logging** for production-ready backend behavior.
- Designed clean HTTP handlers using Go's **standard net/http stack**, following scalable backend practices.

CERTIFICATIONS

AI Engineer Coursera ([Link](#))

April 2025

- This structured learning path guides from the fundamentals to practical helping you confidently step into the world of AI.

AI For Everyone DeepLearning.AI ([Link](#))

March 2025

- This is the course designed to make you better at using AI—helping you learn smarter prompts, build automation skills

Introduction to Engineering Mechanics Georgia Institute of Technology ([Link](#))

February 2025

- This course is an introduction to learning and applying the principles required to solve engineering mechanics problems.

How Things Work: An Introduction to Physics University of Virginia ([Link](#))

January 2025

- An introduction to physics , the lens of everyday objects, exploring how fundamental principles like motion, energy, forces

SKILLS

Computer Languages: TypeScript, JavaScript, Python, SQL

Data Tools: PostgreSQL, NumPy

Software Packages: Pandas, Matplotlib, Figma, Tailwind, Next.js, Linux, React Native, Prisma ORM, React, Redux, Django, Node.js, Bootstrap, Express JS, MySQL, MongoDB

Additional Courses: Data Structure

Others: Git and Github, Docker, LangChain, Go, Rust, Google Cloud Platform, GitHub Actions, Supabase

EXTRA-CURRICULAR ACTIVITIES

- Led and organized the **Nirmaan Dev-Event** at Newton School of Technology, owning planning, coordination, logistics, and end-to-end execution.
- Actively contributed to **NST Student Developer Club** projects through cross-team collaboration and peer-to-peer upskilling.
- Achieved a **1.2K+ CodeChef rating** via consistent competitive programming and algorithmic problem solving.
- Built a **real-time anonymous Q A platform** with rooms, live polls, reactions, moderation tools, and identity-free interaction.
- Maintained **1,500+ GitHub contributions**, continuously shipping features, fixing bugs, and iterating on open-source and personal projects.
- Built and experimented across **Web, Mobile, DevOps, AI, and Cybersecurity**, applying concepts in real-world projects.