Sejal Shinkar

Pune, Maharashtra, India
+91 9511735932 — sejalshinkar1510@gmail.com — LinkedIn — GitHub
Portfolio — CodeChef — LeetCode — GFG

Education

B.Tech in Information Technology (Pre-Final Year) 2024 – 2028
Pune Institute of Computer Technology (PICT) CGPA: 9.42
Activities: Web Team Member, PCSB Club

Higher Secondary Certificate (HSC) 2024
MRMV Junior College of Science, Manmad Percentage: 95.00%

Technical Skills

Languages: Python, Java, JavaScript, TypeScript, C, C++, SQL
Backend: FastAPI, Node.js, Express.js, REST API Design, JWT Authentication, Role-Based Access Control (RBAC)
Frontend: React.js, Next.js, Tailwind CSS, HTML5, CSS3
Databases: PostgreSQL, MySQL, MongoDB, Schema Design, Indexing
AI & Machine Learning: Generative AI, Prompt Engineering, NLP & RAG Pipelines, Vector Databases (ChromaDB), Hugging Face, Open-Weight LLMs (Ollama), Model Evaluation (XGBoost, SHAP)
Tools & Platforms: Git, GitHub, Linux, Docker, AWS, Microsoft Azure, GCP, Postman, Vercel, Render, CI/CD, Vitest, Playwright
Core Concepts: Data Structures & Algorithms, OOP, DBMS, Operating Systems, Computer Networks, System Design, Agile/Scrum

Experience

Artificial Intelligence Intern – Infosys Springboard (Virtual) Aug 2026 – Present

- Selected for the Infosys Springboard AI Internship (Pragati: Path to Future, Cohort 8) after clearing prerequisite AI learning pathways and technical assessments.
- Building a Retrieval-Augmented Generation (RAG) pipeline for question-answering over a document knowledge base, using ChromaDB and sentence-transformers embeddings via Hugging Face, with Python/FastAPI backend components.

Product Intern – Technology, TPOBridge (Remote) Mar 2026 – Jul 2026

- Tested core features and user flows across two live platforms, **TPOBridge** and **PlacementEdge**; identified, documented, and tracked bugs through resolution, and delivered UX feedback while collaborating cross-functionally with Product and Technology teams.

Projects

Full Stack Developer – CiviQ (Citizen Issue Management Platform) (Live — GitHub) Feb 2026 – Jun 2026

- Architected and deployed a scalable, multi-tenant **MERN** complaint management system for Residents, Technicians, and Administrators; built 31 REST APIs secured with custom JWT authentication and RBAC, achieving 98ms average response time via indexed compound Mongoose queries.
- Designed a weighted technician assignment algorithm to automate complaint routing, and built an auto-failover notification system (Brevo to SendGrid) with 100% success rate under stress testing; validated with 92% test coverage (Vitest, Playwright).

Full Stack Developer – Nxt2Campus (MHTCET College Predictor) (Live — GitHub) Jun 2025 – Aug 2025

- Built a full-stack admission guidance platform with **Node.js, Express.js, and MongoDB**, implementing a percentile and cutoff-based prediction model trained on historical MHT-CET data across 10 colleges.
- Designed REST APIs and a responsive, mobile-friendly React UI that consolidated college shortlisting into a single guided workflow for students.

Frontend Developer – EquiTrack (Real-Time Stock Tracker) (Live — GitHub) Jul 2025 – Aug 2025

- Engineered a real-time stock tracking dashboard with JavaScript and Tailwind CSS, integrating live market data REST APIs with Chart.js to visualize price trends; added search, a metrics dashboard, and scheduled auto-refresh.

Achievements & Hackathons

- Built **SCRIBE AML**, an AI-powered SAR narrative generator with audit trails, running an open-weight Mistral LLM locally via Ollama with XGBoost + SHAP explainability and a FastAPI/Express backend and React frontend, at **Barclays Hack-O-Hire 2026** (National Participation Award).
- Built **ManoSakha**, a mental health support assistant using an offline, locally-hosted Ollama LLM and an Express.js/MongoDB backend, at **TechFiesta 2026** (International Hackathon).
- Shortlisted in the college-level round of **Smart India Hackathon 2025** for a metro-planning solution (K-INDS); built **EcoTrace** at **Hack2Skill Prompt Wars Challenge 3**.
- Secured **Rank 176** in **ICPC AlgoQueen Quest**; 100+ problems solved on LeetCode & GeeksforGeeks; **1st Rank** (Taluka level) in the HSC Board Examination.

Certifications

- **Exploring SAP Business Technology Platform** – SAP Learning
- **Principles of Generative AI** – Infosys Springboard
- **Data Structures & Algorithms in Java** – Course Completion Certification
- **CodeChef – Problem Solving Certification** (500 Difficulty Level)
- **NPTEL – Enhancing Soft Skills and Personality** — Elite + Gold — Score: 91% — IIT Kanpur
- **Architecting Cloud Computing Solutions on Microsoft Azure** – Infosys Springboard
- **AWS Cloud Fundamentals** (Lambda, S3, EC2, IAM, DynamoDB) – Infosys Springboard & College Workshop