

ATHARVA TAYADE

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SUMMARY

Software engineer with a B.E. in Electrical Engineering and production experience across full-stack web and backend systems. Built and shipped client web platforms on React and FastAPI, and run an automation pipeline that handles job listings. Experienced with REST APIs, PostgreSQL, and AWS. Skilled in data structures, algorithms, and system design.

EDUCATION

Fr. C. Rodrigues Institute of Technology (FCRIT), Navi Mumbai - University of Mumbai

Bachelor of Engineering (B.E.), Electrical Engineering - May 2026

TECHNICAL SKILLS

Languages: TypeScript, Python, JavaScript, SQL, Bash, MATLAB, C, C++

Frontend: Next.js, React, Tailwind CSS, D3.js, React Flow, WebRTC, WebSocket, HTML5, CSS3

Backend: .NET Core, Node.js, FastAPI, Flask, REST APIs, JWT, Async I/O, Microservices

Databases: PostgreSQL, MongoDB, Redis, SQL Server

Infrastructure: Docker, Linux, AWS, Git, EC2, S3, RDS, Vercel, CI/CD

CS fundamentals: Data Structures, Algorithms, OOP, System Design, DSA

Skills: Prompt Engineering, scikit-learn, Hugging Face, Fine-tuning, XGBoost, PyTorch, RAG, NLP

EXPERIENCE

Software Engineering Intern - Sumati.io

Remote | Jan 2024 - Mar 2024

- Rebuilt the policy module UI in React with component-level code splitting; page load time dropped 45%, measured in Lighthouse
- Added response caching to .NET Core API endpoints, cutting redundant backend calls about 60% on highest-traffic policy routes
- Built a monitoring dashboard tracking request latency, error rates, and service health across 4 microservices

Full-Stack Developer - Freelance

Mumbai, India | 2023 - Present

- Built and shipped 6 web platforms (e-commerce, SaaS, client portals) using React/Next.js frontends and FastAPI/Node.js backends
- Set up Stripe subscription billing, JWT authentication, and role-based access control across 3 client projects
- Built a D3.js developer reference hub of 500+ entries kept current by a Scrappy ETL job
- Integrated ML inference endpoints into 2 client products

Live: axiomdesignstudio.vercel.app | mitali-io.vercel.app | ath-framework.vercel.app | pustakalayxo.vercel.app | strokesdesigns.netlify.app | kofi-cart.vercel.app | aakankshatayade.vercel.app/login

Engineering Intern - Maharashtra State Electricity Board (MSEB)

Navi Mumbai | Dec 2024 - Jan 2025

- Observed day-to-day operations at 33/11 kV distribution substations, from voltage step-down to keeping supply stable
- Learned how faults are located and cleared, and how engineers manage power factor and frequency; read substation single-line diagrams (SLD)

PROJECTS

MSME Credit Intelligence Platform (VRI Cred)

FastAPI, XGBoost, SHAP, Claude API, PostgreSQL, Redis, React, AWS

Demo: vricred1.netlify.app | Code: github.com/atharvax28/vri.cred

- Trained an XGBoost credit model on GST filings, credit bureau data, and bank statements for NBFC underwriters
- Used SHAP values to explain each score; Claude API drafts the written credit report from model output
- Deployed on AWS EC2, RDS, and S3 with Redis caching; P99 response time under 200 ms

AI Job Aggregation Pipeline

Scrappy, Playwright, Selenium, Claude API, Redis, PostgreSQL, Docker, APScheduler

- Built a distributed scraper covering 50+ company job portals across static HTML, JS-rendered SPAs, and paginated APIs
- Processes 1,000+ listings a day; Claude API classifies relevance and drafts outreach text per listing
- Added three-layer Redis deduplication and PostgreSQL lead tracking; APScheduler runs crawl cycles unattended

Developer Reference Hub

React, D3.js, Scrappy, PostgreSQL

Live: ath-framework.vercel.app | Code: github.com/atharvax28/ath-framework

- Built a searchable hub of 500+ developer reference entries with D3.js relationship graphs
- Scrappy ETL refreshes entries automatically instead of manual updates

HACKATHONS

Smart India Hackathon 2023 - Participant - FCRIT internal round (AICTE, Ministry of Education)

Agnethon 2024 - Participant - CSI Student Chapter, FCRIT