Yash Jadhav

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Summary of Objective

Job Title – **Full Stack Developer** leveraging React and GenAI to build scalable, user-focused, USP RWAs

Work Experience

R & D Intern | Product Engineering, Fine-tuning, Automation, AI-Web Integration | *STSARC Pvt. Ltd.*
Nashik, Maharashtra
Dec 2024 – Jan 2026

- **Developed** "Algorhithm" — an AI-enabled DSA trainer integrating own **SLMs**, React, and Flask
- **Built** and **deployed** SLMs into production and performed post-deployment fine-tuning for **optimization**
- **Implemented** user session tracking, dynamic problem routing & personalized feedback via RESTful APIs
- **Improved** student query resolution time by **30%** using context-aware response generation
- Applied **AI tools** for automating tasks, saving team **10 hours** per week
- Implemented Modern Research **Principles** to drive research evolution, improving Accuracy of Results by **50%**

Projects

Youtube Playlist Downloader | *Seamless Media Automation* | JS, yt-dlp, OS |
ytdlp-dlwd ↗

- Engineered a full-stack application for YouTube playlist downloads with **100% automation**
- Reduced manual effort by **90%** through one-click playlist processing and smart task orchestration
- Scaled performance to reliably handle **100+ video playlists** without crashes or performance drops
- Implemented **parallel video processing** to improve throughput by **2×** on large playlists
- Automated **ZIP bundling & cleanup** workflows to reduce post-processing time by **80%**
- Optimized yt-dlp command orchestration to minimize **I/O bottlenecks** during bulk downloads
- Ensured **graceful failure recovery** for partial downloads and interrupted network sessions

NeuroTicker | *Geospatial FinTech Platform* | React, WebSocket |
neuroticker ↗

- **Built** an end-to-end **AI-driven fintech platform** serving **real-time market intelligence**
- **Processed 10K+ live market events/day** using WebSocket-based low-latency pipelines
- **Integrated Telegram Bot + Alpaca API** to enable **real-time alerts** and **paper-trading simulations**
- **Reduced** sentiment-to-signal latency by **40%** via optimized SONAR API workflows
- Designed **geospatial signal mapping** using **Mapbox API** to analyze regional trading behavior patterns
- **Implemented** scalable time-series storage for **1M+ market signals** using Supabase
- **Delivered** actionable buy/sell insights with **confidence scoring** for faster decision-making

Achievements

HackaNova Hackathon'26 Winner | **Aptos Hackathon'25** Finalist | **Level Supermind Hackathon'25** Finalist |
Top 12 in a **International Competition'26** Organized by Duke Kunshan University, **China** |
GCP&Gen AI labs'23 Winner - Pune Division | **Avishkar'24** Winner for RITE |

Certifications

Google Certifications | **Mentored** students for **GCP&GenAI labs'23** |
Credentials ↗

Skills

Technologies: GitHub/Git, Code Editors
Languages: C++, Python | HTML, CSS, JavaScript (ES6+)
Core CS: DSA, OOP, DBMS, OS, CN
Web Frameworks: React | FastAPI, PostmanAPI | MySQL
GenAI Frameworks: LLMs, Langflow, RAG+MCP, VectorDB

Involvements

Bhaktivedanta Book Trust | Community Development Volunteer |
Aug 2023 - Present

Education

Dr. D.Y. Patil College of Engineering, Pune | B.E. in IT | CGPA: **8.03**/10.00 |
Aug 2023 – June 2027