Onkar Jadhav

@Onkarj012 /Onkarj012 onkarj012@gmail.com +91 7058604679

Education

Bachelor of Technology in Computer Science	November 2022 – June 2026
Pimpri Chinchwad College of Engineering	9.06 CGPA (Till 6th semester)
Savitribai Phule Pune University	

Higher Secondary Certificate	June 2022
Shri Mhalsakant Junior College	Percentage - 89.17
Maharashtra State Board of Secondary and Higher Secondary Education	

Technical Skills

- Languages: C/C++, Java, Python, SQL, React.js, MongoDB, Express.js, Node.js, React Native
- Tools: Git/GitHub, Flutter, MongoDB, Android Studio, R Studio
- Soft-Skill: Problem Solving, Teamwork, Critical thinking

Projects

StockXpert | Deep Learning, Python, TensorFlow, XGBoost August 2025 – Present

- Developed a hybrid AI framework combining ResNLS, GRU, SCSO-LSTM, and BiLSTM to integrate technical indicators and fundamental financial ratios for swing-trading-focused stock predictions.
- Engineered a multi-stage pipeline including advanced feature engineering (50+ indicators), deep-learning-based price forecasting, and an XGBoost risk-scoring module for explainable Buy/Sell/Hold recommendations.
- Built a model-fusion architecture where embeddings from CNN, GRU, and LSTM networks were combined using an MLP fusion head, improving short-term prediction stability and reducing forecasting noise.
- Models successfully predicted t+1, t+5, and t+10 day trends, with high short-term accuracy and smooth ensemble outputs.

Placement Prep AI Agent | FastAPI, Python, Judge0, OpenRouter August 2025 – Present

- Developed an AI-driven placement preparation platform with aptitude and coding question generation using OpenRouter LLMs.
- Integrated Judge0 execution engine to run multi-language code submissions with real-time verdicts and test case validation.
- Designed adaptive evaluation and feedback loop with automated scoring, explanations, and difficulty progression.
- Implemented user progress tracking, personalized question recommendations, and a dashboard built in Next.js with Tailwind UI.

Anime-GPT | Next.js, TypeScript, Pinecone, Groq June 2025 – July 2025

- Developed an AI chatbot using Next.js and Groq LLMs with real-time streaming chat capabilities.
- Integrated Pinecone vector search with 384-dim embeddings for semantic anime content retrieval.
- Automated scraping pipeline with LangChain, Cheerio, and Xenova Transformers for embedding generation.
- Built responsive, theme-aware UI with Tailwind CSS and markdown-rendered chat interface.

ExamEase | Angular, PostgreSQL, Node.js February 2025 – April 2025

- Built ExamEase, a classroom-based exam application for students and teachers using Angular with real-time test and performance sync via Node backend.
- A test platform with text extraction from image and image cropping for test generation.
- Added OCR support for Devanagari scripts and used Cloudinary Storage to store images.
- NodeJS backend integration to PostgreSQL database and cross-platform compatibility.

Certifications

- Completed 'The Complete Python Bootcamp' by Jose Portilla on Udemy (April 2023)
- Udemy - Algorithms in Java :Live problem solving & Design Techniques
- Udemy - AWS for Everyone

Hobbies

Playing and watching Cricket, Video Games