

Yash Patil

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Experience

- Software Development Engineer**, Alphashots.ai(Finance-Flash) – Bangalore Apr 2024 – Current
- Engineered large-scale financial data pipelines, including ingestion, feature engineering, PCA, technical indicators, and windowed time-series preprocessing.
 - Built an end-to-end deep learning pipeline using CNN-BiLSTM-Attention, PCA, and feature engineering to predict market movements.
 - Implemented NAS + HPO using Microsoft NNI to optimize CNN-LSTM-Attention models for financial forecasting.
 - Built a fully automated multi-asset trading engine integrating MT5/DK5 feeds, pattern detection, trading-hour validation, rule-based signals, and auto order execution across Forex, Indices, Commodities, and US equities.
 - Built the company's full responsive website with Google OAuth, Google Ads, Google Analytics, and custom stock graphs using Next.js, Tailwind CSS, JS, and APIs. Automated a blog publishing system using ChatGPT-generated content and Python scripts for WordPress uploads.
 - Improved backend architecture and developed Flask APIs to send real-time financial and ML data to the frontend; used Stumpy for stock pattern matching.
- Python Intern**, InterPe – Pune March 2023 – April 2023
- Created a real-time face detection tool using OpenCV, supporting both webcam and video input.

Education

- Marathwada Mitramandal's Institute of Technology (MMIT)**, BE in Computer Science Aug 2020 – Aug 2024
- CGPA: 8.76/10.0

Technical Skills

- Language:** Python, C++, SQL, Java, HTML, CSS, JavaScript, TypeScript
- Frameworks & Technologies:** Flask, React, Next.js, WordPress, MetaTrader5 (MT5), Stumpy, WebSockets
- ML/AI:** CNN, LSTM/BiLSTM, Attention models, PCA, Feature Engineering, Time-Series Forecasting, Stumpy, NNI (NAS/HPO), Generative AI/ChatGPT
- Developer Tools:** Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Docker, PG Admin
- Platforms & OS:** Linux, Windows

Projects

- Nobel Autowheels – Your Personalized Bike World** Nov 2023 – Apr 2024
- Developed a full-stack vehicle dealership web application with dedicated modules for users and admins. The platform allows users to browse bikes, book vehicles, and schedule test rides, while admins can manage inventory, monitor bookings, and access sales reports. Designed with a focus on responsive UI, real-time updates, and secure role-based workflows. Tools Used: React, JavaScript, HTML, CSS, Flask API, MySQL

Achievements

- Represented at the National Level in Hockey, awarded by the National Council for Sports and Youth Development.
- Selected as a semifinalist in the KAVACH Hackathon 2023, for developing an NFC-based police tracking tool.
- Secured 2nd place in street play competition at IIT Bombay's Mood Indigo Festival, among national-level participants.