

# SANYAL SINGH

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## EDUCATION

Viva Institute of Technology (Mumbai University)

Mumbai, India

*Bachelor of Technology in Artificial Intelligence & Machine Learning*

*Graduation: May 2027*

*Expected*

Current Year: 3rd Year

Portfolio : [sanyalsingh.netlify.app](https://sanyalsingh.netlify.app)

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## SKILLS & TECHNOLOGIES

Programming: Python, C++

ML/AI: TensorFlow, Scikit-learn, Deep Learning, Model Training

Web: React, Next.js, Express.js

Databases: PostgreSQL, MongoDB

Tools: Git, Docker, REST APIs, Cloud Platforms, Claude API and OpenAI API

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## PROJECT EXPERIENCE

### Lextriq — AI Prompt Library Platform

- Built a full-stack AI prompt sharing platform using Next.js, TypeScript, and PostgreSQL for discovering and sharing prompts across multiple AI tools.
- Implemented authentication, search, and user engagement features including upvotes, bookmarks, and comments.
- Designed scalable backend with Prisma ORM and API routes, enabling efficient prompt storage and retrieval.
- Optimized performance and SEO with dynamic pages and server-side rendering for improved discoverability.

### Realtime Automatic Crypto Trading

- Built a full-stack algorithmic crypto trading platform using Python and Streamlit with real-time Binance market data streaming.
- Implemented ML price prediction models (XGBoost, Random Forest, SVM) with feature engineering on 60+ technical indicators.
- Developed strategy engine and backtesting system supporting 15 trading strategies with VectorBT performance evaluation.
- Designed risk management and automated trading pipeline with position limits, drawdown protection, and trade persistence.

## RELEVANT COURSEWORK

Machine Learning, Deep Learning, Natural Language Processing, Computer Vision, Data Structures & Algorithms, Database Management Systems, Web Development, Cloud Computing, Statistics & Probability

## ADDITIONAL INFORMATION

- Passionate about building AI-powered products and exploring cutting-edge ML research
- Active contributor to open-source AI/ML projects on GitHub
- Building useful things using AI models. Test the limit of AI models.