

VIKAS K

Karnataka, India

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EDUCATION

National Institute of Technology Karnataka, Surathkal

Nov 2022 – April 2026

Bachelor of Technology in Electrical Engineering

Surathkal, Karnataka

Jawahar Navodaya Vidyalaya Haveri

May 2020 – July 2021

CBSE XII Board Examination - 95.33%

Haveri, Karnataka

Jawahar Navodaya Vidyalaya Haveri

June 2018 – May 2019

CBSE X Board Examination - 95%

Haveri, Karnataka

COURSEWORK / SKILLS

- Python
- SQL & DBMS
- Statistics & Probability
- Excel
- ML/DL

PROJECTS

Algorithmic Trading [↗](#) | Python | RestAPI

July 2024

- **Developed and implemented** an automated trading strategy using SmartAPI, executing real-time trades based on market conditions.
- **Integrated historical** and live market data processing to identify high-probability trade setups.
- **Designed order placement logic** with position sizing, stop-loss, and risk management mechanisms.
- **Backtested the strategy** to evaluate performance and refine execution.
- **Automated trading decisions** using ORB (Opening Range Breakout) and volume-based filters for improved trade selection.

Stock Market Price Prediction using RNN & LSTM | Python, TensorFlow/Keras, LSTM May 2025

- **Engineered** deep learning models (RNN, LSTM) for time series forecasting of stock prices.
- **Applied** sliding window methodology to enhance short-term prediction accuracy.
- **Evaluated** model performance using RMSE and MAPE for robust benchmarking.
- **Leveraged** Python, TensorFlow/Keras, and time series analysis techniques for implementation.

INTERESTS / HOBBIES

- Geopolitics
- Books
- Zen
- Health & Fitness

EXPERIENCE

WorldQuant Brain [↗](#)

Jan 2024 – Mar 2024

Consultant

NITK Surathkal

- Developed and submitted high-performing alphas, securing prize money in a university-level competition.
- Created an alpha strategy with a Sharpe ratio of 4.12, 23.75% returns, 10.95% drawdown, and 13.72% turnover, showing strong risk-adjusted performance.
- Offered a Consultant role post-competition to contribute to alpha research and development.

IET Venture [↗](#)

Dec 2022 – Present

SIG Coordinator

NITK Surathkal

- Conducted **Tradeverse**, a demo trading competition.
- Organized a Summer Mentorship Program on fundamental analysis of companies.