NARENDHAR TS

Kanpur, India | +91 98765 43210 | narendhar.ts@gmail.com

linkedin.com/in/narendhar-ts | github.com/narendhar-ts

EDUCATION

Indian Institute of Technology, Kanpur

B.Tech in Computer Science & Engineering | 2019 - 2023

- CGPA: 8.9/10

- Relevant Courses: Machine Learning, Deep Learning, Financial Engineering, Data Structures & Algorithm

EXPERIENCE

Goldman Sachs - Software Engineering Intern

May 2023 - July 2023

- Developed a quantitative trading model using LSTM neural networks, improving price prediction accuracy
- Engineered an automated portfolio rebalancing tool, reducing manual workload by 40%.
- Optimized high-frequency trading (HFT) strategies, achieving a 7% increase in returns.

Tata Consultancy Services (TCS) - Software Engineering Intern

Dec 2022 - Feb 2023

- Developed an AI-powered financial chatbot using GPT-3, reducing customer support response time by 60
- Designed a fraud detection system leveraging XGBoost and anomaly detection, improving fraud detection
- Deployed scalable REST APIs for real-time transaction monitoring on AWS Lambda.

PROJECTS

AI-Driven Stock Market Forecasting

- Developed a deep learning model using Transformer-based architectures (BERT + LSTM) to predict stoc
- Achieved 87% accuracy in predicting next-day trends for S&P 500 stocks.
- Built a web dashboard (React.js + Flask) for real-time stock analysis with sentiment tracking from financia
- Integrated QuantConnect and Alpaca API for live trading simulations and historical data backtesting.

AI-Powered Task and Team Management System

- Created an AI-driven productivity assistant for workplace management using NLP and reinforcement lear
- Integrated priority-based task scheduling using genetic algorithms, reducing task delays by 30%.
- Developed an ML-based team performance predictor analyzing workload distribution, leading to 15% effic
- Built with FastAPI, PostgreSQL, and React.js, deployed on Google Cloud Functions.

SKILLS

- Programming: Python, C++, Java, SQL, JavaScript
- Machine Learning & AI: TensorFlow, PyTorch, Scikit-Learn, OpenAI GPT, LSTMs, Transformers
- Finance & Trading: QuantConnect, Bloomberg API, Reinforcement Learning, Algorithmic Trading
- Backend & Databases: FastAPI, Flask, PostgreSQL, MongoDB, Redis
- Cloud & DevOps: AWS (Lambda, S3, EC2), Google Cloud, Docker, Kubernetes, CI/CD

CERTIFICATIONS & ACHIEVEMENTS

- Google Cloud ML Engineer Certification, 2023

- Winner, IIT Kanpur AI Hackathon 2023 (Ranked 1st out of 500 teams)
- Certified Financial Analyst (CFA) Level 1, 2023

EXTRACURRICULARS

- Tech Lead, IIT Kanpur AI & Finance Club - Led projects on AI-driven trading and risk modeling.
- Speaker, IIT Kanpur - Delivered a guest lecture on AI applications in FinTech.