

BHUVAN SHAH

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CAREER OBJECTIVE

Data Analyst aspirant with 1 year of experience in data-driven roles. Proven expertise in programming custom LSTM neural networks, backtesting and optimizing system parameters

EDUCATION

University of Southern California Los Angeles, California
Master's of Science in Computer Science August 2023-Present

- *Coursework:* Analysis of Algorithms, Database Systems, Natural Language Processing, Advanced Mobile Devices

Indus University Ahmedabad, India
Bachelor's of Computer Science and Engineering | CGPA 9.63/10 August 2019-May 2023

- *Coursework:* Data Science, Machine Learning, Differential Equation and Linear Algebra, Computer Systems Architecture, Operating Systems, Computer Network, Cloud Computing, Web Technology

TECHNICAL SKILLS

Languages: Python, Machine Learning, Data Structures, SQL, Deep Learning, Machine Learning, HuggingFace, Transformers, Data Analysis, Statistical Learning, LSTM, JavaScript, Java, C#, React Native, Node.js

Technology: Pytorch, SciKit, Git, Power BI, Tableau, TensorFlow, Hadoop, Spark, Flask, Django, GCP, AWS, MySQL, NoSQL, MongoDB

INTERNSHIP EXPERIENCE

Prompt Softech Ahmedabad, Gujarat
Data Scientist Intern December 2022-May 2023

- Programmed a custom LSTM neural network with a bifurcated architecture, achieving an impressive 83% accuracy. The network accommodated dual inputs: stock opening/closing price and sentiment polarity extracted from Twitter Data
- Built and fine-tuned proprietary technical indicators, achieving an average accuracy of 83%
- Conducted comprehensive back testing, resulted in a substantial accuracy boost to 88%, while refining indicator parameters for optimal performance through MetaTrader using MQL4 and MQL5 scripting languages

Tornado Computer Ahmedabad, Gujarat
Data Analyst Intern June 2021-July 2021

- Collaborated on a project leveraging algorithms and IOT to optimize hardware performance; identifying bottlenecks, fine-tuning system parameters, and predicting system failures, attaining a remarkable 92% accuracy in performance optimization
- Implemented neural network for predictive maintenance by collecting and analyzing data from hardware sensors and logs, resulting in an 87% accuracy rate, reducing downtime and repair costs

Vueinternational Ahmedabad, India
Software Developer Intern June 2020-October 2020

- Took proactive measures in designing and implementing interactive components using HTML, CSS, and JavaScript, seamlessly integrating with a sqlite3 database to facilitate secure credit card transactions through the Stripe API
- Integrated dynamic components into company's website, sparking a substantial 15% surge in user engagement and modeled a commendable 20% enhancement in transaction security

ACADEMIC PROJECTS

Forecast Finesse: Analysing stock performance | LSTM, BeautifulSoup, Streamlit, Tweepy Ahmedabad, India
Personal Project December 2022-May 2023

- Performed sentiment analysis system on live Twitter feed and Google News using a customized NLTK combined with BeautifulSoup for webscraping resulting in 92% accuracy excluding nuances such as sarcasm
- Developed a dashboard with live streaming of data from Yahoo Finance, view any number of tweets and GoogleNews, view polarity sentiment scores resulting in 24% increase in profitability of general users as compared to other platforms

Handwriting Recognition App | Deep Learning, Swift Ahmedabad, India
Team Leader January 2022-February 2022

- Designed an app with multi-layered neural network architecture to recognize real time handwriting through any camera lens from smartphone with an exceptional accuracy of 98.6%

Analysing Student Marks | Machine Learning, Google Colab Ahmedabad, India
Team Leader November 2021-December 2021

- Engineered a robust analytical model with dimensionality reduction techniques, curating a subset of key variables to classify individual performance statuses and plan personalized learning, getting 80% increase in student's academics

RELEVANT COURSEWORK

- 4 month Google Cloud Platform course: Containerization, Kubernetes, and BigQuery
- Artificial Intelligence course on intelligent agents at University of Helsinki