Anusha P Hullathi

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Summary

Aspiring Quantitative Strategist with strong foundations in mathematics, machine learning, and financial data modeling. Skilled in building AI-powered systems for extracting, analyzing, and comparing financial performance. Proficient in Python, C++, numerical methods, and LLM-based applications. Eager to apply quantitative thinking and technical skills in high-impact trading and structuring environments.

Education

Reva University **Sep. 2021 – May 2025**
Bachelor In Computer Science And Engineering - CGPA - 9.6 *Bengaluru, Karnataka*

Narayana PU College **Jun. 19 – May 2020**
Pre-University - percentage - 100 *Bengaluru, Karnataka*

Narayana e-Techno School **Jun. 18 – May 2019**
10th Standard - percentage - 95 *Bengaluru, Karnataka*

Relevant Coursework

- Machine Learning
- Data Science
- Algorithms Analysis
- Database Management
- Artificial Intelligence
- Deep Learning
- Natural Language Processing
- Web Technology
- Design And Analysis Of Algorithms
- Generative AI

Internship Experience

Pyramyd AI Private Limited **Sep 2024 – May 2025**
Quantitative AI Intern – Financial Modeling Focus *Bengaluru, Karnataka*

- Built "Alpha Genie", a Generative AI system to extract and compare financial metrics (revenue, EPS, profit) from quarterly PDF reports.
- Developed Python-based PDF parsing pipelines and data transformation logic to support clean financial modeling..
- Integrated LLMs for natural language financial QA and comparative analytics across companies and time periods.
- Designed a Flask-based UI for user-driven exploration of structured financial insights.
- Collaborated with ML engineers and developers to optimize compute efficiency and response speed.

Projects

Search Engine with LangChain Tools and Agents | *Python, LangChain, LLM's* **October 2024**
* Built a custom search engine using LangChain with integrated tools and agents to retrieve and summarize relevant information.
* Developed conversational agents to dynamically respond to user queries, improving search precision and user experience.
* Utilized document loaders and retrievers for multi-source data processing, delivering accurate, context-aware answers.

Kidney Disease Classification | *Python, Deep Learning, CNN, TensorFlow* **September 2024**
* Built a deep learning model using Convolutional Neural Networks (CNNs) to classify kidney disease from medical data.
* Applied data augmentation and preprocessing techniques to improve model generalization.
* Evaluated the model using accuracy, precision, recall, and AUC-ROC to ensure reliability in medical predictions..
* Engineered classification models using CNNs, emphasizing risk prediction accuracy – a concept transferrable to financial risk analysis.

Student Performance Prediction | *Python, Machine Learning, Scikit-Learn* **August 2023**
* Implemented a machine learning pipeline to predict student performance using logistic regression and decision trees.
* Built end-to-end classification pipeline mirroring risk assessment techniques used in financial modeling environments.
* Performed data preprocessing, feature selection, and model evaluation with accuracy and confusion matrix metrics.
* Packaged the project using Flask for deployment and built a user-friendly prediction interface.

Technical Skills

Languages: Python, C++, C, HTML/CSS, SQL
Quantitative ML: Statistics, Probability, EDA, Machine Learning, Deep Learning, NLP, Time Series Analysis, LLMs, Generative AI
Tools & Frameworks: Git, MLflow, Flask,Streamlit

Certificates

Complete Guide to Building, Deploying, and Optimizing Generative AI with Langchain and Huggingface – Krish Naik Oct'24 – Nov'24
Master the Theory, Practice, and Math Behind Data Science, ML, DL, NLP – Krish Naik Sep'24 – Oct'24
Supervised Machine Learning: Regression and Classification – Stanford Oct'23
Crash Course on Python – Google Sep'23