ROHAN KESHAV HARISH

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Computer Science Master's graduate with a strong foundation in software development and a proven ability to learn quickly. Brings a growth mindset, sharp problem-solving skills, and a commitment to building efficient, scalable solutions in fast-paced environments.

EDUCATION

University of Texas at Arlington — *Arlington, Texas, USA*
Master of Science, Computer Science — *Aug`2023 –May` 2025*
*GPA : **3.92/4.0***

Vemana Institute of Technology — *Bangalore, India*
Bachelor of Engineering, Information Science and Engineering — *Aug`2018 – Aug`2022*
*GPA : **3.56/4.0 (8.91/10.0)***
***Roll of Honor** (Best Student of the Department) – 2022*

TECHNICAL SKILLS

Programming Languages : C++, Python, JavaScript, Java, C, Scala, PHP, HTML, CSS
Frameworks and Libraries : React.js, TailwindCSS, OpenCV, Flask, Streamlit, Plotly, Natural Language Processing
Databases : SQL, Cassandra, SparkQL
Cloud Services : AWS(Amazon Web Services), EC2, S3
Development Tools and Environments : VS Code, Android Studio, Wireshark, Cisco Packet Tracer, PowerBI, MS Office, Apache, Jira, DataBricks
Operating Systems : Linux, Windows
Version Control : Git, GitHub

PROFESSIONAL EXPERIENCE

Graduate Teaching Assistant — *Aug`2024 –May`2025*
University of Texas at Arlington, United States

- Enhanced the Cloud Computing, Big Data, and Operating Systems coursework by collaborating with the professor to innovate and align content with the latest industry standards and academic compliance requirements, resulting in improved student engagement and understanding.
- Led weekly office hours, communicated effectively and demonstrated leadership and communication skills, which improved students' coursework understanding and contributed to their academic success

Data Science and Business Analytics Intern — *Jul`2021 – Aug`2021*
The Sparks Foundation, Remote, Singapore

- Engineered a predictive Machine Learning algorithm estimating exam percentages from study hours, resulting in an 85% prediction accuracy and enabling educators to optimize student performance strategies effectively.
- Utilized Supervised model, specifically Linear Regression and feature extraction to improve the model accuracy.
- Achieved 16% more accurate results compared to previous models by refining algorithms and leveraging MySQL database for data management.

Java Programming Intern — *Jan`2020 – Feb`2020*
Campus.Build, Bengaluru, India

- Enhanced understanding of Object-Oriented Programming and Functional Programming concepts in Java, applying them to improve code efficiency.
- As a startup, collaborated with senior developers on Java-based projects, contributing to successful project completion and active troubleshooting of implementation issues.
- Participated in code reviews and provided constructive feedback, enhancing team collaboration and code quality.

PROJECTS

Quant Vision – Stock Analysis | Python, yfinance, Plotly, Quant Analysis, streamlit — *Mar`2025*

- Designed a quantitative analysis application focused on financial markets, delivering real-time interactive dashboards and candlestick visualizations to assist end users in informed decision making across equities and financial derivatives.
- Implemented custom backtesting logic and time series data processing to predict next-day stock prices based on historical trends, enabling users to make informed investment and risk management decisions.

Subscription Classifier | Python, Random Forest, sklearn, numpy, matplotlib, data analytics — *Feb`2024*

- Created a machine learning model to predict client subscription to a term deposit, managing a dataset of around 18,000 records. Conducted meticulous data cleaning and preprocessing using pandas to ensure accurate and complete datasets suitable for classification.
- Leveraged statistics methods and prediction algorithms to train and evaluate machine learning classifiers, improving the interpretability and reliability of client subscription outcomes.

MegaCosm – Detection and Classification of Astronomical Objects | Image Processing, Data Analytics, YOLO v5, CNN — *July`2022*

- Developed and deployed a computer vision model for real-time classification and identification of astronomical entities to produce a list of items along with the accuracy with which it has been identified.
- It has lots of improvements compared to other existing models and performs 25% better than them.

ACHIEVEMENTS AND CERTIFICATIONS

Publications: MegaCosm – Detection and Classification of Astronomical Objects, IRJCS, Link

Certifications: AWS Cloud Essentials**,** Google IT Support Professional Certificate- Coursera, Building a dynamic web application, Python data structures, Meta front-end Developer Professional certificate.

Co-curricular: Event Coordinator at Engineering Student Council UTA, member of ACM, Graduate Student Council UTA, Hackathon UTA, Datathon 2024