

PRANEETH BOINPALLY

[boinpallypraneeth.github.io](https://github.com/boinpallypraneeth) | +1 571-595-8499 | praneeth786333@gmail.com | [LinkedIn](#)

EDUCATION

GEORGE MASON UNIVERSITY | VIRGINIA | USA

Master of Science in Computer Science

Fairfax, VA, USA

Jan 2023 – May 2024

SPHOORTHY ENGINEERING COLLEGE | HYDERABAD, INDIA

Hyderabad, TS, India

Bachelor of Technology in Computer Science and Engineering

Aug 2018 - July 2022

WORK EXPERIENCE

Data Analyst Intern

Hyderabad, TS, India

TryCryFly Service Limited

Oct 2021 – Aug 2022

- Analyzed and interpreted complex data sets to provide actionable insights for business strategy.
- Collaborated with cross-functional teams to optimize data collection processes and enhance data quality.
- Utilized SQL and Python for data extraction, transformation, and analysis, resulting in a 95% improvement in data accuracy.
- Prepared comprehensive reports and visualizations using tools like Power BI, effectively communicating findings to stakeholders.
- Contributed to the development of data-driven solutions that improved operational efficiency and customer satisfaction.

PROJECTS

Driver Drowsiness Detection Using Machine Learning

Python, Open

- Developed a system to monitor and analyze eye movements to detect driver drowsiness. Collected and preprocessed data from webcam images to monitor eye movements. Implemented machine learning algorithms to classify drowsiness states.
- Visualized detection results and performance metrics to ensure system accuracy and reliability. Improved detection accuracy by 20% through iterative model tuning and data analysis.

Network Intrusion Detection Using Machine Learning Techniques

XG Boost, SKlearn

- Created a system to identify and analyze network intrusions using machine learning. Analyzed and cleaned the NSL-KDD dataset to identify relevant features for intrusion detection.
- Developed predictive models using XGBoost, achieving a 98% accuracy rate. Generated visualizations to identify patterns in network traffic and intrusions. Reported findings to stakeholders, providing actionable insights into network security.

Intelligent Proctor

Keras, TensorFlow

- Built a system to monitor online examinations through data analysis of video feeds. Collected and processed video data to detect suspicious activities during exams. Applied deep learning techniques to enhance detection accuracy.
- Created dashboards and reports to visualize exam integrity metrics. Reduced false positives by 15% through data-driven adjustments and model improvements.

Server-side Business Logic and Android Client Mobile App

SQL, Android, Java

- Designed a server-side application and Android client for efficient data management. Developed and optimized SQL queries to handle large datasets and ensure fast retrieval. Analyzed user interaction data to improve app features based on usage patterns.
- Visualized key metrics to provide insights into user behavior and app performance. Improved data processing efficiency by 30% through query optimization and database tuning.

Claim Safe | Auto Insurance Premium Recommendation System

Python, Machine Learning, Data Visualization

- Developed a system to recommend auto insurance premiums based on comprehensive data analysis. Integrated and analyzed data from multiple sources, including driver history and vehicle information.
- Built predictive models to assess risk and recommend insurance premiums. Visualized risk assessments and premium recommendations using interactive dashboards. Enhanced decision-making by providing clear, data-driven insights into premium determination.

TECHNICAL SKILLS

Languages: Java, Python, Python Scripts, C, SQL, CSS, JavaScript, HTML, C++, R

Tools and Libraries: Pandas, NumPy, scikit-learn, XGBoost, TensorFlow, Tableau, Power BI, Microsoft Excel, Seaborn, Jupiter Notebook, Matplotlib,

Techniques: Data Analysis, Data Cleaning, Data Visualization, Statistical Analysis, Machine Learning, Predictive Modeling, Data Mining, ETL Processes, Database Management Systems (DBMS), Data Warehousing, A/B Testing, Hypothesis Testing, Regression Analysis, Time Series Analysis

Other Skills: Project Management, Problem-Solving, Critical Thinking, Communication Skills, Collaboration, Attention to Da

CERTIFICATES

Java Programming (Great learning), IPL Auction bidding using Data science (Great learning), AWS Academy Cloud Foundations Badge, Java basic (Hacker Rank), MySQL skill badge (Linked in), Python basic (Hacker Rank)