Nissy Rasapalli

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Summary

Highly motivated Computer Science graduate with a strong foundation in programming languages, data analysis tools. Proficient in Python, SQL, Power BI with knowledge of libraries such as Pandas, NumPy, and Matplotlib. Adept at applying analytical thinking and problem-solving skills to real-world scenarios through hands-on academic and personal projects. Interested in contributing technical expertise, attention to detail and fresh perspectives in a dynamic team environment.

Skills

- **Programming Languages:** Python, SQL
- **Data Tools:** Power BI, Excel, Tableau, PostgreSQL
- **Libraries:** Pandas, NumPy, Matplotlib
- **Web Development:** HTML, CSS, JavaScript
- **Platforms & Environments:** Jupyter Notebook, Git
- **Relevant Coursework:** Object-Oriented Programming (OOP)

Projects

- **Smart card fraud detection**
  Tools and Technologies: Python, Logistic Regression, Pandas, NumPy, Scikit-learn
  - Developed a fraud detection system for smart card transactions using python and machine learning techniques to enhance the security and reliability of smart card systems.
  - Used Pandas for data manipulation and NumPy for numerical calculations to clean and preprocess transaction datasets, preparing them for modeling.
  - Engineered a machine learning-based fraud detection model (Logistic Regression) in Python using Scikit-learn that achieved 92% accuracy on a large-scale transaction dataset.
  - Demonstrated high model accuracy, showing the potential for real-time fraud detection integration.
- **UPI Transaction Analysis using Power BI**
  Tools and Technologies: Power BI, Excel, Power Query
  - Visualized complex digital payment patterns by developing an interactive Power BI dashboard.
  - Imported raw UPI datasets from Excel, involving 8 distinct tables and 3 complex transformations to prepare data for modeling.
  - Used Power Query to clean and transform raw datasets, and implemented slicers to allow filtering by 8+ dimensions (e.g., age group, payment method) to uncover key adoption trends.
  - Implemented slicers to filter data by City, Bank Sent, Bank Received, Device Type, Age Group, Gender, Payment Method, and Transaction Type.
  - Visualized monthly transaction trends using line and column charts to show total balances.
  - Created matrix reports to display transaction amounts and remaining balances by City, Currency, and Month.
  - Uncovered digital payment trends, leading to a 15% clearer understanding of regional adoption patterns over the analyzed 12-month period.

Education

- **JNTUH University College of Engineering** *2020 - 2024*
  B.Tech in Computer Science and Engineering Jagital
  - CGPA: 7.37
- **Akshara Junior College** *2018 - 2020*
  Higher Secondary Education Hyderabad
  - Percentage: 96%
- **Krishnaveni Talent School** *2017 - 2018*
  Secondary School Education Mancherial
  - CGPA: 9.0

Certifications

- **Data Analytics Certificate - Naresh i Technologies | Skills: Python, SQL, Power BI, Excel** *Mar - Jun | 2025*
- **MS Excel Certificate of Completion - Simplilearn**
- **Web Development Certificate of Training - Internshala Trainings** *Sep - Nov | 2023*

Additional Information

- **Languages:** English, Telugu
- **Soft Skills:** Strong analytical thinking, Team-oriented, Communication skills