Chandrakanth Kunta

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🎓 EDUCATION

Bachelor of Technology in Computer Science
DRK Institute of Science and Technology
05/2023 | Hyderabad, India

🧠 SKILLS

Python (Python: Anaconda, Jupyter Notebook, Colab Notebook, syntax. Identifiers & Operators, Array, Numpy, Data Manipulation, Pandas)

Machine Learning (Supervised, Unsupervised, ML. Algorithms, Validation Methods, Naive Bayes, Linear Algchra, K-NN, Hyperparameters, Dimensionality, Decision Tree, Linear regression, Evaluation Metrics, Regression Techniques, Q-Q Plot, MSE & RMSE, Polynomial regression. Regularization Techniques, Logistic Regression, Hierarchical Clusteting.)

Ms-SQL - Power BI (MYSQL, NoSQL, CRUD operation, RDBMS, Data Exploration and Data Filtering, DQL and Operators, Clauses, Joins, ACID, COMMIT, ROLLBACK.)

Power BI (Power BI workflow, Visualisation. Trend Data viz, Power Queries, Power Pivot, DAX, DA Expression, Web & RLS, Visual Interactions, Drill Through,)

Advance Statistics (Descriptive Statistics, Probability Distribution, Data Gathering | Techniques, Inferential Statistics.)

Excel ((including advanced functions), **PivotTables**, **VLOOKUP**, **INDEX-MATCH**, **SUMIF**, **COUNTIF**, **Conditional Formatting**, **Data Validation**, **What-If Analysis** (Goal Seek, Scenario Manager), **Charts and Graphs**, **Power Query**, **Power Pivot**, **Macros**, **VBA**, **Data Analysis Toolpak**, **Text Functions**, **Date and Time Functions**, **Slicers**, **Timelines**)

📚 COURSES

Data Science
Innomatics Research Labs
10/2023 – present | Hyderabad, India

💼 PROFESSIONAL EXPERIENCE

Data Science Intern
01/2024 – 03/2024 | Hyderabad, India
Roles and Responsibilities:

- Led initiatives resulting in a **60%** improvement in real-time data processing efficiency, utilizing **Python, Pandas (60%)** and **NumPy (30%).**
- Created custom **Pandas** functions that improved data aggregation processes, allowing analysts to extract insights from datasets **50%** faster
- Devised innovative visualization dashboards with **Seaborn** and **Matplotlib** that provided actionable insights on user behavior.

📁 PROJECTS

Stock Market Fundamental Analysis
Tools & Technologies: Python, Pandas, NumPy, Matplotlib, Seaborn

- Designed and deployed a **Beautiful Soup**-based solution for web scraping on the **Grow App platform**, resulting in the collection of 100+ unique datasets weekly, which improved research capabilities for financial analysis.
- Extracted and processed (4000 rows across 8 columns), demonstrating proficiency in data extraction and manipulation.
- Conducted thorough exploratory analysis on all columns, uncovering key insights vital for informed decision-making in stock market investment strategies.

IPL Analytics and Prediction Web Application
Tools & Technologies: Python, Streamlit, Scikit-learn, TensorFlow, Pandas, Matplotlib, Seaborn, SQL

- Analyzed **4 datasets** containing over **1,000 IPL matches** to extract insights on team performance, player statistics, and venue trends.
- Built multiple **machine learning models** (Logistic Regression, Random Forest) and a **Neural Network** for predicting match outcomes and **first innings score** based on real-time match data.
- Achieved **85% accuracy** in predicting match outcomes and provided real-time updates through model deployment.

Library Management Project
Tools & Technologies: SQL, MySQL, Python, Pandas, Excel, ER Modeling

- Developed a **Library Management System** to manage book inventory, member information, and borrowing transactions using **MySQL** as the database management system.
- Executed SQL queries for **CRUD operations** (Create, Read, Update, Delete) to manage books, members, and transactions seamlessly.
- Implemented advanced SQL queries using **JOINs**, **subqueries**, and **aggregate functions** to generate reports on book availability, borrowing history, and member activity.

Adidas Sales
Tools & Technologies: Power BI, Excel, SQL, Python, Pandas, Matplotlib

- Designed and implemented a comprehensive Power BI dashboard to analyze Adidas sales, highlighting regional performance and product trends
- Provided data-driven recommendations to optimize inventory management and enhance sales strategies.
- Automated report generation and distribution for ongoing monitoring and stakeholder review.