

EDUCATION

University of Maryland Baltimore County

Catonsville, MD

M.S. in Data Science (CGPA: 3.8)

Jan 2023 – Dec2024

- **Coursework:** Introduction to Data Science, Data Management, Ethical and Legal Issues in Data Science, Big Data Processing, Introduction to Data Analysis and Machine Learning, Management Leadership and Communication.

WORK EXPERIENCE

University of Maryland Baltimore County

Catonsville, MD

Graduate Assistant – Data Analyst

May 2023 – Till now

- Provided comprehensive academic support to graduate students through coursework and research guidance, conducting impactful one-on-one tutoring sessions to reinforce key concepts and enhance understanding of complex subject matter for the course.
- Implemented a robust feedback and assessment framework, evaluating assignments, exams, and research submissions to enhance academic performance.
- Designed effective assessment strategies, identified areas for improvement, and customized support plans accordingly.
- Facilitated effective communication and collaboration within the academic community, ensuring seamless exchanges of information and resources.
- Collaborated with peers and faculty members in team meetings, workshops, and training sessions to enhance the overall learning experience and stay updated on best practices in academic support.
- Created and implemented individualized sessions plans that led to a 40 % increase in students' proficiency.

HCL Technologies

Hyderabad, India

Data Analyst

December 2020 – December 2022

- Implemented Agile methodology, fostering collaboration between business and technical teams, resulting in 30% higher project efficiency and 95% on-time delivery.
- Leveraged Python(Pandas) for data import, analysis, and pattern identification, reducing data processing time by 25% and enhancing decision-making accuracy.
- Conducted functional and user acceptance tests, contributing to a 20% increase in customer counts after successful product integration.
- Developed and maintained Power BI analytics dashboards, delivering real-time visibility into home delivery performance metrics.
- Resolved 58% of data investigation issues through root cause analysis and updated tickets with details in Jira for improved tracking.

Bartronics India Ltd

Hyderabad, India

Data Analyst Intern

January 2020 – May 2020

- Retrieved insights and identified impactful opportunities that delivered an 18% reduction in customer churn and built predictive analytics models to identify patterns from large datasets by establishing data visualization solutions.
- Automated existing business processes to improve accuracy and streamline workflow, resulting in a 15% improvement in operational efficiency.
- Developed, and optimized data pipelines to maintain the accuracy of business dashboards, increasing office uptime by 10%.

PROJECTS

Car Value Analyzer

- Analyzed car market prices using Pandas, gathered, and assessed condition data to provide accurate car valuation reports, reducing turnaround time by 53% through Jupyter Notebook automation.
- Compared prices for car models using NumPy statistical analysis and estimated accurate vehicle values within 91% error margin by observing market trends visually through Matplotlib graphs and Plotly dashboards.
- Built predictive models using scikit-learn to forecast used car prices and estimate depreciation rates, improving prediction accuracy by over 15% compared to prior statistical methods.

Sem 2 project

- Point 1
- Point 2
- Pont 3

Sem 2 project

- Point 1
- Point 2

SKILL

Programming: Python, R, Pandas, NumPy, SQL

Tools: Jupyter, Git, Bitbucket, Tableau, Power BI, Matplotlib, Seaborn, Apache Spark, Excel, MatLab

Databases, Data Management, and Cloud: SQL servers, MS SQL, MONGO DB, Postgres, Hadoop, Spark, Hive, SIIS, Azure, AWS and ETL (Extract, Transform, Load)