

# Pragnesh Anekal

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## EDUCATION

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### Northeastern University

September 2023 - Present

*Master's in Information Systems - Data Science Track*

*Boston, MA*

- **Courses:** Data Management & Database Design, Data Science Engineering Methods & Tools, Research Methods in AI
- **GPA:** 3.7/4.0

### BMS College of Engineering

August 2020

*Bachelor of Engineering, Electrical and Electronics Engineering*

*Bangalore, IN*

- **Courses:** C++, Data Structures & Algorithms, Machine Learning, Big Data Analytics

## EXPERIENCE

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### Adaface | Entrepreneur in Residence

September 2022 - May 2023

- Leveraged Ahrefs, Google Analytics, and Tableau for comprehensive keyword analysis, performance monitoring, and visualization, driving a 50% increase in organic traffic
- Utilized generative AI technology for blog content creation, resulting in 30+ client-focused posts. Achieved 50,000+ media impressions and a 25% increase in time spent on each post.

### ReVx Energy | Software Engineer (Data Platform)

August 2021 - August 2022

*(Python/Django, SQL/PostgreSQL, AWS/EC2, Git, C)*

- Architected relational databases to streamline the management of diverse datasets, including vehicle telemetry, fleet operations, shipment details, and driver information, to improve data accessibility.
- Developed ETL pipelines using Python, ensuring seamless data transformation and loading processes to enhance data quality and consistency, contributing to a 25% reduction in data errors and inconsistencies.
- Designed the backend infrastructure using Django and AWS EC2 for two web applications enhancing client interaction and operational efficiency enabling tracking of 100+ Electric Vehicles.
- Engineered specialized algorithms in C for Electric Vehicle (EV) charging and discharging processes leading to a 20% enhancement in overall efficiency.

### Datasol Innovative Labs | Software Engineer

May 2020 - May 2021

*(C, Python)*

- Developed scripts in C and Python for real-time in-flight data analysis using sensing and control mechanisms.
- Implemented task scheduling through multi-threading for efficient execution of firmware.

## PROJECTS

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### NBA Player Performance Prediction System | *Python, scikit-learn, Statistical Modelling* | [GitHub](#)

- Ongoing research project in predicting the performance of an NBA player using Python (scikit-learn, NumPy, Pandas) through decision trees, linear regression analysis and stacked ensemble learning.
- Formulated linear regression models to predict points scored by an NBA player utilizing historical data from over 20 seasons, achieving a model with an MSE of 0.78 through 10-fold cross-validation.

### Video Streaming Recommender System | *SQL/Oracle SQL, Git* | [GitHub](#)

- Designed and implemented a video streaming database system with Oracle SQL Data Modeler to establish a database structure in adherence to business rules.
- Developed PL/SQL procedures using Oracle SQL to maintain video streaming content, enhance content search functionality, and incorporate personalized recommendation features based on user preferences.

## TECHNICAL SKILLS

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**Languages:** Python, C++, Java, JavaScript

**Tools/Technologies:** Django, React, Tableau, Power BI, Git, Apache Spark, Microsoft Excel, Jupyter Notebook

**Databases:** SQL, MySQL, Oracle SQL, Microsoft SQL Server, NoSQL, MongoDB

**Libraries:** Pandas, NumPy, scikit-learn, Matplotlib, seaborn, H2O

**Cloud Technologies:** Amazon S3, EC2, Redshift, Lambda, Azure Databricks