PRAGNESH ANEKAL

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EDUCATION

Northeastern University, *Boston, MA* September 2023 - Present
Master's in Information Systems - Data Science Track

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

BMS College of Engineering, *Bangalore, India* August 2020
Bachelor of Engineering, Electrical and Electronics Engineering

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

TECHNICAL SKILLS

Languages: Python, C++, Java, JavaScript
Tools/Technologies: Django, AWS, React, Tableau, Git
Databases: SQL, MySQL, Oracle SQL, Microsoft SQL Server, NoSQL, MongoDB

PROFESSIONAL EXPERIENCE

Adaface | Entrepreneur in Residence September 2022 - May 2023

- Formulated a data-driven SEO strategy, identifying Google Search trends and achieving 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.
- 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.

ACADEMIC PROJECTS

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.

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 statistical modeling and linear regression analysis.
- 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 0.30 through 10-fold cross-validation.

ACCOMPLISHMENTS

- Secured 1st position among 110+ teams at Northeastern's Product Prototyping Hackathon. | Final Deck