ANOOP REDDY YEDDULA

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EDUCATION

Master of Science, Computer Science **Sep 2022 - June 2024**
Portland State University, Portland, Oregon
Present Courses (June 2023): Design and Analysis of Algorithms, Machine Learning, Artificial Intelligence, Database Management Systems, Internetworking Protocols, Mobile Health, Agile Software Development, Virtual Reality, Computer Vision and Deep Learning, Wireless Networks, Voice Assistant, Data Mining

Bachelor of Engineering, Computer Science **Aug 2016 - May 2020**
Dayananda Sagar University, Bengaluru, Karnataka, India

TECHNICAL SKILLS

Programming: Python, Java, SQL, C, C++, Data structures, Object oriented programming, PHP, Git, AWS.
Tools: Jupyter, Eclipse, Visual Studio, Android Studio.
Web Technologies: HTML, CSS, JavaScript, React, Bootstrap.
Database Servers: MySQL.
Operating System: Windows, Linux.

PROFESSIONAL EXPERIENCE

Hudl India Pvt. Ltd, India
Data Analyst **Oct 2020 – May 2022**

- I leveraged SQL, Python, and MS-Excel to analyze team and player performance metrics through complex joins and subqueries, presenting insights to upper management.
- Additionally, I automated data extraction and processing using Python tools like Pandas, NumPy, and Matplotlib, incorporating artificial intelligence models to forecast player and game performance and collaborating with software engineers to integrate scripts into web apps.

PROJECTS

Machine Learning
Project name: Accurate Rainfall Prediction
Technologies used: MATLAB R2018a, Python
I developed a precise rainfall prediction model using supervised machine learning, utilizing a comprehensive dataset with parameters such as temperature and humidity. After thorough preprocessing, the dataset is input into Support Vector Machine (SVM) and Artificial Neural Network (ANN) classifiers, producing outputs indicating the likelihood of rainfall.

Database Management System
Project name: Hospital Data Management
Technologies Used: Python, SQL
I orchestrated the Hospital Data Management database project with PostgreSQL, overseeing data cleaning, structuring, and schema design. My proficiency in SQL, database management, and data manipulation, along with hands-on experience importing and cleaning data from sources like Kaggle, played a pivotal role. The project's success was realized through the execution of PostgreSQL connections via Python, ensuring seamless data validation and normalization.

Full stack development
Project name: Venue Booking System
Technologies used: JavaScript, Html, CSS, Mango DB and React JS, Node Js, SQL.
I developed a nationwide event venue booking web portal, utilizing React.js with Agile methodologies and visual design principles. The user interface was designed using HTML, CSS, React.js, and Node.js, while the backend, featuring user verification, real-time availability checks, and payment processing, was implemented with PHP and SQL. Rigorous testing, including both unit and integration methods, was integral to the development process.

Mobile Application
Project name: Healthcare Mobile App
Technologies used: Java, HTML and CSS
I led a three-member team in creating a healthcare mobile app, emphasizing appointment scheduling and patient monitoring. Utilizing Android Studio, I integrated Firebase and implemented 'Sign in with Google' for efficient database management. I personally designed and implemented the comprehensive front-end and back-end of the Doctor's view using Java, ensuring thorough testing and documentation.

CERTIFICATIONS

- AWS CERTIFIED CLOUD PRACTITIONER