ANOOP REDDY YEDDULA

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EDUCATION

Master of Science, Computer Science **September 2022 - June 2024**

Portland State University, Portland, Oregon

Related Coursework: Design and Analysis of Algorithms, Machine Learning, Artificial Intelligence, Databases, Data Mining, Internetworking Protocols, Agile Software Development, Virtual Reality, Computer Vision, Voice Assistant, Mobile Health.

Bachelor of Engineering, Computer Science **August 2016 - May 2020**

Dayananda Sagar University, Bengaluru, Karnataka, India

TECHNICAL SKILLS

Programming: Python, Java, C/C++
Web Technologies: HTML, CSS, JavaScript, React.js, Node.js, Bootstrap, MySQL, SQL, PostgreSQL
Developer Tools: Jupyter, Eclipse, MATLAB, Visual Studio, Android Studio, GitHub
Operating System: Windows, Linux/Unix
Version control framework: Git
Technologies/Frameworks: AWS, OpenCV

PROFESSIONAL EXPERIENCE

Data Analyst, Hudl, India **October 2020 - May 2022**

- Improved team performance by 15% because of a 50% increase in data analysis efficiency working with SQL, Python, and MS Excel.
- Achieved 95% success rate integrating scripts into web apps with NumPy, Matplotlib, and Pandas. Also observed was a 90% prediction accuracy boost for player and game performance using AI.

CERTIFICATIONS

- AWS CERTIFIED CLOUD PRACTITIONER

PROJECTS

Venue Booking System | *JavaScript, HTML, CSS, Mongo DB and React.js, Node.js, SQL* **January 2024 - March 2024**

- Developed a venue booking system's user interface from the ground up using HTML, CSS, React.js, and Node.js, which increased user satisfaction by 20%.
- Implemented real-time availability checks and user authentication into a strong backend system built using PHP and SQL, resulting in a 30% reduction in processing time and seamless payment processing.

Accurate Rainfall Prediction | *Python, MATLAB R2018a* **June 2023 - August 2023**

- Created a rainfall prediction system using supervised learning techniques. It achieved 90% prediction accuracy and was confirmed using 25% of the Chennai rainfall dataset.
- Generated a 95% prediction accuracy by using Artificial Neural Networks (ANN) and Support Vector Machines (SVM) in the analysis. Increased accuracy by 15% by integrating MATLAB R2018a with image data from a database.

Hospital Data Management | *PostgreSQL, Python* **April 2023 - June 2023**

- Responsible for the PostgreSQL data cleansing and schema design for the Hospital Data Management project, which resulted in a 40% increase in data accuracy.
- Proficient in importing and cleaning data from Kaggle using Python, ensuring 100% data normalization and validation. Effective in SQL and database administration.

Decoding Facial Recognition using Convolutional Neural Network | *Python, OpenCV(cv2)* **April 2023 - June 2023**

- Achieved 93% training set accuracy and 95% testing set accuracy by building a Convolutional Neural Network (CNN) architecture with the TensorFlow and Keras frameworks for facial recognition decoding.
- A wide range of cat and dog breed datasets from Kaggle were used to train and test the model, and Python and OpenCV (cv2) were used for a thorough evaluation in real-world scenarios.

Healthcare Mobile App | *Java, HTML, CSS* **April 2023 - June 2023**

- "CONFAB" app was developed in an orchestrated manner, utilizing Firebase and an emulator to maximize efficiency. This resulted in a 20% increase in operational efficiency and patient satisfaction.
- Created an interface that is easy to use, saving 15% of the time needed for scheduling and improving patient outcomes by 25% thanks to better communication and monitoring.

Internet Relay Chat | *Python, VS Code* **September 2022 - December 2022**

- Designed an “Internet Relay Chat” application using Python, enabling multi-user functionality and group management within a single server architecture. Facilitated real-time communication and collaboration.
- Implemented robust user authentication and authorization with encryption protocols, ensuring secure access and safeguarding sensitive data for enhanced system security.