

ANOOP REDDY YEDDULA

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EDUCATION

Master of Science, Computer Science

Sep 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

Aug 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

Concepts: Data structures, Algorithms, Object oriented programming

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

Venue Booking System | JavaScript, Html, CSS, Mongo DB and React JS, Node Js, SQL

- Developed a nationwide event venue booking web portal with React.js and Agile methodologies. Designed the user interface using HTML, CSS, React.js, and Node.js.
- Implemented a robust backend with PHP and SQL, featuring functionalities such as user verification, real-time availability checks, and payment processing. Rigorous testing, including both unit and integration methods, was integral to the development process.

Accurate Rainfall Prediction | Python, MATLAB R2018a

- Developed and implemented a rainfall prediction system using supervised learning techniques, leveraging 75% of the Chennai rainfall dataset for training and 25% for validation.
- Utilized MATLAB R2018a and Applied Support Vector Machine (SVM) for analysis and Artificial Neural Networks (ANN) for precise rainfall prediction, integrating a sequence of images and additional information from a database.

Hospital Data Management | PostgreSQL, Python

- I led the project, managing PostgreSQL for data cleaning, structuring, and schema design. Proficient in SQL and database management, I successfully imported and cleaned data from sources such as Kaggle.
- The project's success was realized through the execution of PostgreSQL connections via Python, ensuring seamless data validation and normalization.

Decoding Facial Recognition / Power Image Recognition using Convolutional Neural Network | Python, OpenCV(cv2)

- Utilized diverse cat and dog breed data from Kaggle for training and testing the image recognition system, implementing separate sets for comprehensive real-world model evaluation using libraries such as TensorFlow, Keras, and OpenCV.
- Developed a CNN architecture with specific layers, including convolution and sample layers, achieving 93% accuracy in the training set and 95% accuracy in the testing set for effective two-dimensional image data recognition.

Healthcare Mobile App | Java, HTML and CSS

- I led a three-member team in creating a healthcare mobile app called "Confab", 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](#)