

APOORVA SRITHA REDDY PINDI

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EDUCATION

Arizona State University, Tempe, AZ

Graduating April 2023

Master of Science in Computer Science

Coursework: Foundations of Algorithms, Data Visualisation, Mobile Computing, Data Processing at scale, Software verification validation and testing, Intro to AI.

Amrita Vishwa Vidyapeetham, Coimbatore, India.

JUNE 2021

Bachelor of Technology in Computer Science

CGPA:8/10

Coursework: Data Structures, Design & Analysis of Algorithms, Web programming, Object-Oriented Programming, Operating Systems, Machine Learning, Big Data Analytics, Database Management Systems, Cloud computing.

SKILLS

Programming Languages: Python, C/C++, Java, Node, JavaScript, React, XML, PL/SQL, DevOps, Docker, Verilog

Databases: MySQL, MongoDB, Oracle, PostgreSQL

Web Technologies: HTML, CSS, JavaScript, D3 JS, React, Bootstrap, RESTful Web Services, PHP, MERN Stack

Statistical Models and Libraries: Machine Learning, Computer Vision, Neural Networks, Keras, Pytorch, Sklearn.

Tools, and OS: Git, GitHub, Windows, Linux/Ubuntu, Jira, Android Studio, Sonarqube, Hadoop, Visual Studio Team Services, Eclipse, Amazon Web Services (EC2, AppSync, API Gateway, Lambda, S3, DynamoDB, SQS).

EXPERIENCE

HONEYWELL, Hyderabad, India | Software Development Engineer Intern

Dec 2020-July 2021

Technologies used: Python scripting, Springboot, Rest APIs, Azure database, Azure cloud, parallel networking, React, JS

- Role: Worked as a Software Development Engineer Intern. Single-handedly developed end-to-end “Forge Factory Tool Meta Data Collection Utility” and successfully deployed it in the warehouse.
- Designed the overall architecture, documented, developed & deployed the utility with RESTful Services and database as the backend.
- Successfully collected metadata from different source factories using parallel networking via network paths
- Used Python Scripting and flask as a front-end client-side tool to build high-performance and automated data collection software systems at the warehouse.
- Effectively coded backend script using spring boot framework, encrypted the code using RSA algorithm security keys and used Azure database and Azure cloud for the data storage.

IBM, Hyderabad, India | Data Analyst Intern

Summer 2020

Technologies used: Statistical Machine learning models, azure cloud, react js, azure database (SQL)

- Worked on a medical field data set, Human Breast Cancer Prediction, and trained the dataset with SML models.
- Developed a user-friendly interface using react js and deployed the entire model with accuracy prediction in azure cloud.

PROJECTS

Vision-based Morse Code communication (Computer Vision, ML, Dlib library, YOLO, CNN, SQL, Java, Python, Linux)

Developed an application that provides keypad-based communication for physical aid. It is to facilitate effective communication for the people who suffer from speech disorders through their eye bling gestures using computer vision

Automate Electrical Appliance's Usage using Computer Vision (Computer Vision, Deep Learning, Arduino, React JS)

This project is developed to reduce the wastage of electricity by automating control over the electrical appliances in the industries. Successfully deployed the product developed in a confined area successfully by using a computer vision model.

QUIZ Application (React JS, Node JS, Sonarqube(static code analysis), Jasmine(unit testing), Docker, DevOps, Mysql)

Developed a quiz app web application to conduct online quizzes for all the quiz exams in any university. Successful Quiz Web application was designed a timer, full-screen mode, auto submission, etc.. were implemented using Agile Methodologies.

To estimate the amount of time taken by the picker in the warehouse to pick an item for order fulfillment

Given the picking time of each object by a specific user and other variables, the task is to estimate the amount of time taken by the picker in the warehouse to pick an item for order fulfillment. The model was successfully trained WITH ROOT MEAN SQUARE ERROR=13.915774175717372 using the **ML, DL algorithms**.

Mobile Offloading Project

(Android, Java, Matlab, database)

Developed an android application that develops an environment that can perform distributed computation on master and slave devices. A matrix multiplication algorithm where the master application will offload the computation to both the slave devices.

Geo-Spatial Analysis using Spark SQL

(Scala, Apache Spark, Hadoop, Java, Python)

Developed and ran multiple spatial queries on an extensive database that contains geographic data as well as real-time location data and help a major taxicab firm in New York in operational (day-to-day) and strategic levels (long-term decisions).