

Adithya Suresh Babu

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aws
certified

Education

•University of Central Florida, Orlando, FL

Master of Science in Computer Science

Expected Graduation May 2024

CGPA: 3.97/4.0

•Anna University, Chennai, IN

Bachelor of Engineering in Computer Science and Engineering

Jul 2016- Sep 2020

CGPA: 7.46/10.0

Technical Skills

Languages: C/C++, Java, Python, Javascript, HTML, CSS, NodeJs, ExpressJs, TailWind CSS, React, RestAPI, MySQL, MongoDB, TypeScript, Mongoose, SpringBoot.

Libraries : Python Libraries- TensorFlow, Pytorch, Pyspark, Pandas, Numpy, Matplotlib, Sklearn, Keras, Seaborn

Tools: VScode, GIT, Atom, Google Colab, Docker

Cloud Technologies: AWS - Lambda, EC2, S3, CDK, API Gateway, DynamoDB, Cognito, ECS and Amplify.

Experience

•Associate Software Developer

Tata Consultancy Services

Nov 2020 - Jun 2022

Chennai, IN

- Designed a revenue-boosting offer upgrade for a telecommunications application, resulting in a 2% revenue increase. The offer provided a complimentary 5G network upon device purchase, extending benefits to both existing and new customers using JAVA(SpringBoot).
- Executed automated testing modules to assess the effectiveness of the upgrades using Selenium. These testing modules were designed with dummy customers who attempted to access the new offer. Based on the results, we discovered that the new offer was not being applied to new customers, allowing us to rectify the issues.
- Effectively mitigated a critical issue with the potential for a 10% revenue loss, stemming from the SIM card issuance process. Resolved the problem by implementing a workaround that enabled seamless customer number porting into our network, overcoming transfer pin registration issues in our application logs through Splunk. This strategic intervention not only averted substantial revenue loss but also elevated customer satisfaction levels.
- Updated the front end of the application using React and TailWind CSS to attract new customers to our network. Also created an advertisement for the new offers given to the customers using the website which increased the revenue by 15%.

Projects

•Workout Tracker | Domain: Full Stack | Programming Languages: React.js, Node.js, MySQL, JavaScript and ExpressJS

A website to track our workout routine

- We can create an account on the website using the Login/Sign up User Account feature in the website and user login information will be stored in the database using MySQL, React.js and Node.js and around 1000+ users can use the website.
- We can add and delete workouts to track using the feature "Add New Workouts to Track" and "Delete added Workouts to Track".
- Utilized MySQL to create a database that consists of 100+ GYM workouts which people can access and along with instructions.

•Luxe Clothing | Domain: Full Stack | Programming Languages: React.js, Node.js, MongoDB, TypeScript and ExpressJS

A Clothing brand Store

- We can create an account on the website using the Login/Sign up User Account feature in the website and user login, address, and credit card information will be stored in the database using MongoDB, React.js, and Node.js.
- Created an E-Commerce site for a clothing brand called Luxe using React and MongoDB. You add products to the shopping cart and check out the cart using 3 types of credit cards- Visa, MasterCard and Discover.
- Developed different sections using react for men, women, and kids attire. You can also search for products on the website and 10+ other features.
- Designed a connection between MongoDB, NodeJs, and React using Mongoose which stores clothes data and user information.

•Boston crime prediction | Domain: Data Engineering | Programming Language: Python

A Machine Learning model to predict Boston crime using data pipeline

- Performed ETL on around 400,000 records with PySpark.
- Performed EDA using Matplotlib and Seaborn.
- Utilized Spark MLlib to implement Random Forest, CNN, and ARIMA models to identify patterns and forecast predictions.
- Delivered interactive Tableau dashboards for insight dissemination.

Certifications

- AWS Certified Developer (eb6c1388f8841aaa520ae97b59fcaca) | AWS
- AWS Certified Cloud Practitioner (YN7G4J2C0FE414SG) | AWS
- Programming in Python | NIIT.
- Programming in JAVA | NIIT.