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Experience

Software Development Engineer

Sept 2023 – present

Sustainability Economics

Bangalore, India

- Held a key role in orchestrating end-to-end net-zero transitions for diverse high-emission sectors, catering to asset managers, investors, banks, and insurers. Automated the calculation of carbon footprints, encompassing Scope 1, 2, and 3 emissions. Additionally, implemented an advanced backend system for an automated, customizable reporting framework, ensuring compliance with regulations across various countries and international standards. My responsibilities extended to climate-scenario analyses, the impact of transitions, physical risks, and portfolio alignment with Net-Zero objectives. Simultaneously, led initiatives to systematically decarbonize investment portfolios through strategic investments in carbon offset projects worldwide.
- **Tech involved:** NodeJS, Express, DynamoDB, Authorization and Authentication through Cognito, Lambda, Simple Notification Service, Simple Email Service, AWS SDK, S3, API Gateway, CloudFront, CloudWatch

INTERNSHIPS

Software Development Engineer Intern

Jan 2023 - July 2023

Amazon

Hyderabad, India

- **Project 2:** Developed a high-impact backend with REST API for an internal service. The feature automates the manual process required by the Product Manager. It reduces the client's wait time from weeks to hours, it also propels scalability and global market expansion because of its rapid functionality. In contrast to the previous US-centric model, this innovation allows users to effortlessly select any region, amplifying market reach.
- **Project 1:** Migrated Kotlin project to Java and improved the code coverage to 100% in Unit Testing.
- **Tech involved:** Java, Dagger, Smithy, Lambda, S3, RDS, API Gateway, CloudFormation, CloudWatch, VPC, Secrets Manager, JUnit, Mockito, CI/CD, REST APIs, Asana for issue tracking, Git.

Data Analyst

July 2021 – Sept 2021

PentaOmnia

Remote

- Worked as a Data Analyst at PentaOmnia Pvt Ltd, an Event Management Company, successfully implementing an automated Attendance Management System with email integration using Excel, VBA. Leveraged MySQL for robust data storage, designing efficient tables for streamlined information management. Additionally, employed PowerBi to conduct in-depth analysis of client data, contributing to strategic initiatives. This accomplishment led to the recognition as a Core Team Member
- **Tech involved:** MySQL, PowerBi, VBA, Excel

SKILLS

Languages	Java, NodeJS, Python, C++, Kotlin, Typescript
Web Technologies	HTML, CSS, JavaScript, BabylonJS, Bootstrap
AWS Services	Lambda, S3, Aurora DB, API Gateway, Cognito, CloudWatch, CloudFormation
Databases	MySQL, PostgreSQL, DynamoDB, Aurora DB, MongoDB
Knowledgeable Concepts	Strong problem-solving skills, DSA, LLD, CI/CD, Unit Testing, REST APIs
Tools and Technologies	AWS Services, JUnit, Mockito, Git, PowerBi, Asana, Spring Boot

EDUCATION

Gayatri Vidya Parishad College of Engineering (Autonomous)

July 2019 – July 2023

B.Tech, Computer Science - CGPA: 8.80

Visakhapatnam, India

PROJECTS

Network Intrusion Detection

- Developed user-input driven Network Intrusion Detection System using Random Forest algorithm that detects intrusions in the network like DoS, Probe attacks. Model finds the anomalies in the data and maps it to intrusion and learns from the previous inputs.
- **Tech involved:** Python, Machine Learning Models, HTML, CSS, JavaScript

Crop Prediction

- A web-based application where the implemented KNN model can predict the crop that is suitable for the given conditions. The main vision is to identify crops from one/more regions that are possible to be grown in other new regions based on factors like climate, soil, fertilizer, water, pH level, acceptance of methods etc.
- **Tech involved:** Python, Django, Heroku, HTML, CSS

ETL for Retail Data

- The ETL pipeline transforms data using techniques like data cleaning, data reduction and handling missing values using Python and MySQL. The entire dataset is normalized to further tables, and it is loaded to the SQL tables. PowerBi is used for data presentation and visualization.
- **Tech involved:** Python, MySQL, PowerBi