Sudharsan Ragavendhiran Anuradha

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Available for full time roles : May 2024

Overview

Experienced Software Professional with 4 years of expertise in building scalable enterprise data-driven products on cloud platforms, specializing in Technical Program Management, Agile Development, and Software Engineering..

Education

Northeastern University, Boston, MA, USA **Expected May 2024**

Master of Science in Information Systems

- Key Coursework: Data Science Engineering methods and tools, DataBase Design and Management, Web Development and UI Design, User Interface User Experience Design, Agile Project Management

Technical Skills

- **Languages**: Python, Java, JavaScript, HTML5, CSS3
- **DataBase:** Oracle SQL, MySQL, MongoDB
- **Data Science Libraries:** PyTorch, TensorFlow, Pandas, NumPy, Matplotlib, Seaborn, scikit-learn
- **Tools:** Jira, Clickup, Confluence, Git, Moqups, Balsamiq, Figma, Tableau, Power BI
- **Knowledge Areas**: Product Management, Data Analytics

Work Experience

Element5 Inc, Chennai, TN, India **Oct 2021 - Jun 2022**

Team Lead

- Spearheaded the development, strategy, and execution of Automation as a Service (AaaS) platform from scratch, effectively making a direct impact on the Organization's revenue.
- Led the strategic expansion of setting up a delivery team in the US, marking a significant milestone in the growth journey of Element5 Inc.
- Streamlined project workflows by implementing efficient communication protocols, resulting in a 15% reduction in project completion time and improved team productivity.

Element5 Inc, Chennai, TN, India **Jun 2020 - Oct 2021**

Software Engineer

- Worked on developing a cutting-edge scratchpad application, utilizing Node.js, Express.js, MongoDB, and Elastic search, This application efficiently stored short-lived data used for automation across multiple e5 applications
- Revamped the RESTful APIs for the e5 automation deployment platform using Node.js and Express, resulting in an impressive 30% reduction in response times and a significant enhancement in scalability

Ideas2IT Technologies, Chennai, TN, India **Oct 2018 - May 2020**

Software Engineer

- Developed and optimized highly scalable backend services using Node.js and JavaScript for an RPA automation low code platform
- Contributed immensely to the frontend development of an automation deployment web platform using React.js, resulting in a 50% improvement in overall user interface responsiveness and a 30% increase in user engagement.

Relevant Projects

Car-Rental System DataBase Design

Database Design and architecture for car rental application to create, store, manage, and access data

- Created database design and architecture for car rental systems for efficiently managing and organizing data related to rental vehicles, customers, reservations, and transactions
- Skills & Technologies used- Oracle SQL

Amazon Database Simulation using SQL

Database simulation of Amazon for buyers and sellers to create, stor, manage data

- Created database, tables, stored procedures, and triggers using SQL to simulate Amazon Database for selling products to improve performance and availability using indexing
- Performed Data Manipulation Language (DML), Data Definition Language (DDL) operations and documented data including entity relationships, attributes, definitions

Naïve Bayesian Classifier Sentiment Analysis

Sentiment Analysis of 1.6 million twitter tweets

- Built Naive Bayesian model to perform sentiment analysis with an accuracy of 91%
- Skills & Technologies used- Python, Matplotlib, scikit-learn

Stock Market Analysis & Prediction usingMachine Learning

Data Analysis and machine learning model to predict stock price

- Designed an ML model that predicts the changing stock price of a company based on its historical prices over a period of five years, given the respective news articles post-closing time of the previous day and other globalization factors
- Employed Machine learning and Deep learning algorithms such as SVM, MLP to understand and predict the stock prices. Achieved ~ 80% accuracy