Ram Thakore

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EDUCATION

Master of Science (MS) in Information Technology and Management (GPA: 3.5)   **May 2024**
University of Texas at Dallas, Texas, United States.

Bachelor of Technology (B.Tech) in Information Technology (GPA: 3.4)   **May 2022**
Dharmsinh Desai University, Nadiad, Gujarat, India.

WORK EXPERIENCE

Software Developer Intern – SimpleMinds Technologies LLP, Ahmedabad, India.   **Jul 2022 – Dec 2022**
- Developed secure user functionalities (registration, login, password management, user sessions) using Java and Spring Security.
- Utilized MySQL for structured credential storage-retrieval, along with MongoDB for storing user preferences and session data in a flexible format including data modelling, querying with SQL and NoSQL languages, and implementing data security measures.
- Broadened technical expertise by deploying applications onto the AWS cloud platform. This involved learning and using services like Amazon EC2 for compute instances, Amazon S3 for secure storage.

Software Developer Intern – Shipturtle Apps Pvt Ltd, Ahmedabad, India.   **Dec 2021 – May 2022**
- Developed a secure user authenticator utilizing RESTful APIs built with Java and Spring Boot framework, ensuring secure communication and data exchange via industry-standard protocols like JWT (JSON Web Token).
- Implemented comprehensive API testing utilizing Postman for robust functionality and data integrity. This included unit testing with JUnit, integration testing with Mockito, and potential security testing tools like OWASP ZAP for vulnerability scanning.

TECHNICAL SKILLS

Programming & Web: Python, Java, JavaScript, C, C++, R , PHP, HTML, CSS, React JS, Angular JS.
Database & Backend: MySQL, MSSQL, NoSQL, MongoDB.
Cloud: Amazon Web Services (AWS), Docker, Google Cloud Platform (GCP).
Certifications: Problem Solving in Python, Python Programming, SQL Querying, 30 Days of Google Cloud.
Interests: Artificial Intelligence, Machine Learning, Data Structure, Algorithms, Database Management.

ACADEMIC PROJECTS

Job Application Scraper   [Python]
- Built a Python job scraper using requests and beautifulsoup4 to automate data collection from LinkedIn. Collected job titles, companies, locations, descriptions, and most importantly, application links, saving significant time and effort for myself.
- Designed for scalability with pagination and potential keyword/location filtering, with optical data storage for further analysis.

Asynchronous Multithreaded Chat Application   [JAVA]
- Built an asynchronous Java chat app for real-time communication where clients and server can send messages independently using multithreading for smooth exchange, with Datagram Packets for efficient data transfer.
- Enhanced with security, ability to handle more users, and a user-friendly GUI for future development.

Home Credit Default Risk Predictor   [Python, Docker]
- Developed a loan default risk predictor for Home Credit using Python. Cleaned and analyzed loan data to build machine learning models. Achieved a high accuracy of 91.9% using K-Fold Cross Validation and Hyperparameter Tuning.
- Explored different models and implemented feature engineering to optimize the chosen model's performance after analyzing feature importance for better risk understanding.

Movie Recommendation System   [Python]
- Built a movie recommendation system in Python using user reviews from IMDB and preferences, achieving 75% accuracy. Preprocessed text data by removing stop words and applying stemming for focused analysis by the recommendation model.
- Incorporated collaborative filtering, combining approaches, and real-time integration for a more personalized experience.

Airline Reservation System Database   [MySQL, MS VISIO]
- Designed a systemized Airline Reservation database to automate the process of cascading updates by 99%.
- Modules like passenger-flight details, cancellation etc. were implemented; Performed CRUD operations, joins, views using SQL.

EXTRA-CURRICULAR WORK

Organizing Committee Member, Computer Society of India – DDU   **Oct 2019 – Feb 2022**
- Organized several coding challenges and seminars on emerging technologies in the field of information Technology.