

Babu Lingamanaidukandriga Mandhidi

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EDUCATION

Masters in Computer Science, *University of Central Florida*
CGPA - 3.8/4.0

08/2022 – 05/2024
Orlando, United States

CSE, Bachelors of Technology, *Jawaharlal Nehru Technological university, Anantapur*
CGPA - 3.5/4.0

07/2015 – 06/2019

SKILLS

Java Technologies and Frameworks

JAVA, JDBC, Core Java, J2EE, Spring Boot, Spring Cache, Spring Cloud, Micro services.

Tools

Eclipse, IntelliJ, Oracle SQL Developer, Putty, ParaSoft SOATest, Postman & SOAP UI.

Cloud services

AWS : EC2, S3, RDS, IAM, DynamoDB, VPC

Front-end Technologies and Frameworks

HTML, CSS, JavaScript, Angular, React, TypeScript

CI/CD Tools and Message Queue

GoCD, Concourse, SonarQube, Jfrog Artifactory and Kafka

Testing Frameworks

Junits, TestNG, Mockito, ComponentTests. Jasmine

Database Technologies

SQL, Oracle, MySQL, PostgreSQL, Couchbase

Programming Language

Java, Python, Data Structures and Algorithms

WORK EXPERIENCE

Graduate Research Assistant - ML in Healthcare, *University of central Florida*

- Retrieving, preprocessing, and ensure accuracy, consistency, and compatibility of NHANES datasets.
- Analyzing health and nutrition factors using NHANES data to extract meaningful features.
- Machine learning models are implementing with NHANES data to uncover health and nutrition patterns.
- Analyzing machine learning models using appropriate metrics (accuracy, precision, recall, F1 score).
- Conducting a statistical analysis of NHANES data to identify correlations, trends, and associations.

05/2023 – present
Orlando, United States

Graduate Teaching Assistant - DBMS in Healthcare systems, *University of central Florida*

- Taught students how to design databases, focusing on RDBMS, normalization, and efficient storage utilization.
- Assist students with database management, query development, and report generation.
- Trained students with tools like Microsoft SQL Server, SSMS, SSRS, Azure Data Studio, and Visual Studio.
- Taught data warehousing and business intelligence concepts, enabling students to analyze data for decision making and leverage it effectively.

12/2022 – 05/2023
Orlando, United States

Comcast - Payment Services, *Java Developer*

- Successfully led the migration of legacy Java applications to a modern Cloud microservices architecture.
- Implemented the migration of web services from SOAP to REST APIs, enhancing flexibility and scalability.
- Developed Payment Routing manager to handle third-party service calls, and saved time through optimized back-end calls utilization.
- Implemented Minimum payment and Maximum payment utilization and to handle fraudulent activities.
- Integrated SonarQube, PMD, and SpotBugs to improve code quality and ensure adherence to best practices.
- Created automation frameworks for Quality Assurance, streamlining testing processes and enhancing efficiency.
- Upgraded all microservices from Java 8 to Java 11, leveraging new features and performance improvements.
- Migrated CI/CD pipelines from GoCD to Concourse CI, enabling smoother and efficient software delivery.

06/2020 – 07/2022
Chennai, India

Bose Corporation, *Java Developer*

- Develop and implement web applications and CMS solutions using Adobe Experience Manager version 6.5.
- Customized the AEM components, templates, workflows, and services to meet specific project requirements.
- Integrate external systems and third-party APIs with AEM for seamless data exchange and functionality.
- Implemented Kafka consumers and producers in microservices to enable seamless and efficient data exchange.
- Implemented RESTful APIs to expose functionality and data to client applications and store into DynamoDB.
- Utilized Bamboo, a continuous integration and deployment tool, to automate the build, test, and deployment processes of microservices.

08/2019 – 07/2022
Chennai, India

ACADEMIC AND PERSONAL PROJECTS

D-Query Bot, *Document Based Question and Answer generating bot*

I created a **chatbot** application using Transfer Learning, specifically **T5** models, along with Streamlit and **Elasticsearch**. The chatbot utilizes document-based responses and is designed to provide accurate and relevant information.

Todo Application, *React based single page To-do list Application*

Developed a Single Page Application (**SPA**) Todo application using **React**, designed as a responsive and intuitive user interface. Implemented features such as task creation, deletion, and updating, along with task prioritization and due dates. Used modern web development practices to ensure optimal performance and maintainable code.

Books Recommendation System, *collaborative filtering and content-based filtering techniques for personalized recommendations*

Books Recommendation System project incorporating collaborative filtering and content-based filtering techniques. Employed machine learning algorithms and data analysis to optimize the accuracy of personalized book recommendations based on user preferences and book attributes.