

Neha Ambhore

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MS in Computer Science | Graduate Research Assistant | Enthusiast in Java development/research



PROFESSIONAL EXPERIENCE

Texas State University, San Marcos, Tx

Spring 2023 - Present

Graduate Research Assistant

Nueva [Java, Android Studio, XML]

- Developing a scientifically backed software solution for meal delivery to the senior population, akin to Doordash.
- Led the design and implementation of a scalable infrastructure.
- Designed and constructed a flexible meal delivery architecture serving over 6 clients, including the provision of complimentary meal delivery services for targeted senior citizens.

eQ Technologic, Pune, INDIA.

2018 – 2022

Software Engineer-II

Data Migration for Adient [Java, Spring, MySQL, Ant, Subversion, JUNIT]

- Lead a development team for a replication solution to migrate data from SAP to Teamcenter.
- Developed UI based trigger handling services and validation of data based on the business rules provided by the Customer.
- Implemented services to store in-process data to a remote orient-DB to increase efficiency and use it to cache source data and allow bulk insertion for multiple transactions.

Siemens Data Management [Java, Spring, MySQL, Subversion, Git, JUNIT]

- Designed and implemented Product Lifecycle Management (PLM) systems data integration along with parallel data insertion techniques.
- Developed API based executor responsible for writing data and create hierarchy to destination system.
- Developed email notification functionality to report any error that occurred during writing data and analytical report to ensure successful migration and highlight differences in the data between two systems.

Enovia Plugin for Dassault System [Java, Spring, MySQL, Subversion, Mendix]

- Executed a module to read, write, delete, and update data on the 3DEXPERIENCE platform of Dassault System.
- Created an UI using Mendix application and implemented trigger handling services and validation of data based on the business rules provided by the customer.

SKILLS

- **Programming Languages:** Java, C, Python.
- **Machine Learning:** TensorFlow, Keras, Pandas, Neural Networks, Natural Language Processing.
- **Web Technologies:** Javascript, React, HTML, CSS, Spring MVC, Spring Boot, SOA, REST APIs.
- **Database Technologies:** MySQL, Oracle.
- **Frameworks and Tools:** Maven, Subversion, ANT, Git, Jenkins, PyCharm, Eclipse, IntelliJ, Android Studio.

EDUCATION

- **Texas State University (MS in Computer Science) – 3.67/4 CGPA**

Fall 22-Current

Coursework – Survey of Software Engineering, Formal Methods, Networks and Communications, Data Structures and Algorithms, Database Management.

- **College of Engineering Pune, University of Pune (BTech IT)** **Fall 2014 - Spring 2018**
Coursework – Data Structures, Object-Oriented Programming, System Programming and Operating System, Artificial Intelligence, Algorithms and Complexity, Cloud and Big Platform

ACADEMIC PROJECTS

Travel Easy Website *[Java, Mysql, Spring Boot, React, JavaScript, HTML, CSS]* **Fall 2022**

- Designed and constructed a flexible system to book a flight and hotel.
- Led the development of hotel booking functionality where users can search the hotel based on location, reserve the hotel, and can give the reviews as well.

Sentiment Analysis on IMDB movie reviews **Spring 2018**

- Constructed deep learning model for sentiment classification problem of 50K+ IMDB movie reviews with increased 14% efficiency over traditional ML algorithms.
- Presented research on sentiment analysis using various deep learning techniques on a IMDB movie review dataset.
- Developed a system to detect sarcastic reviews which often lead to poor sentimental analysis along with deep learning models like CNNs and LSTMs.

Pizza Store Management System *[Java, Mysql, Spring, Maven, JavaScript, HTML, CSS]* **Fall 2016**

- Developed an admin UI and Customer UI based computerized system to automate business and manage functionalities for a pizza store.
- Integrated the online portal for customized pizza order and secure payment system along with a normalized oracle database to store pizza details, customer details, and generated bills.

Android App for school *[Java, Android studio]* **Spring 2016**

- Created a real time college application using AppWrap ShepHertz cloud platform.
- Developed an Android app consists of guest UI and student UI and accordingly provides different services like functionalities like notices, upcoming events, campus festival, departments information.

Bank Management System *[C]* **Spring 2015**

- Implemented bank management system that keeps record of various transactions like withdrawal, deposit, balance enquiry and mini statement.

CERTIFICATES

- Design And Analysis of Algorithms NPTEL.
- Fundamentals of Java (Seed Academy)
- Programming for Everybody (Getting Started with Python) Coursera.

EXTRACURRICULAR INVOLVEMENTS

- Event Organiser of Codifica in Mindspark 2017
- Coordinator of NSS camp and activities (2014- 2015)
- Member of the Cultural club and Dance club in college
- Member of the Arts and Crafts club in college
- Member of Publicity team of COEP's National Tech Fest MindSpark-16