

ASEEM BARANWAL

Computer Science Graduate Student at UF

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EDUCATION

University of Florida

Aug 2022 - May 2024

Masters of Science in Computer Science (GPA - 3.77/4)

Gainesville, FL, USA

Courses : Mathematics for Intelligent Systems, Distributed Operating System Principles, Information Visualization

Madan Mohan Malaviya University of Technology

Jul 2017 - Jul 2021

Bachelor of Technology in Computer Science & Engineering (CGPA - 8.15/10)

Gorakhpur, UP, India

Courses : Operating Systems, Algorithms, Software Engineering, Data Structures, Databases, Machine Learning, Cloud Computing

TECHNICAL SKILLS

Languages & Frameworks

C++, Python, Java, JavaScript, SQL, Spring, Hibernate

Libraries

Pandas, Scikit, Seaborn, NLTK

CS Fundamentals

Operating Systems, Data Structures, Algorithms, Database, OOP Concepts

Developer Tools

Microsoft Azure, VSCode, Spyder, SQLDeveloper, IntelliJ, SparkAR, Blender, NetBeans

Others

Tableau, Latex, CICD, Jenkins, JIRA, ALM, TortoiseSVN, Agile

EXPERIENCE

Tata Consultancy Services | Java, Spring, Hibernate, PL/SQL, ReactJS, CICD, Jenkins

Jul 2021 - Jul 2022

Software Developer (Full-time)

Bangalore, KA, India

- * Developed critical sections like **Pricing & Workflow** which helped to **increase** customer acquisition by 38%.
- * Implemented bugfixes using an **agile methodology** which reduced the system downtime by over 52%.
- * Coordinated and managed Dev-ops activities with less than 2% failures using TortoiseSVN, Jenkins, and CICD.
- * Delivered tasks well before the deadline and **coordinated** with testing and Dev-ops team resulting in a fluid product development.

School of Innovation by Facebook | Blender, Javascript, SparkAR, ReactJS

Mar 2020 - Jun 2020

Augmented Reality Development Intern (Part-time, Contractual)

Remote

- * Worked as a team of two on developing a **web application** for an AR makeup trial for Nykaa as part of **Facebook Innovation Program 2020**.
- * Learned AR product development and was trained on the Facebook Spark AR platform for **generating visualizations** based on face tracking movements.
- * Used Spark AR platform with **10 different Blender objects** to make effects and jewelry.
- * The web application had the potential to **increase user time spent** on the website by 46% suggestively.

ACADEMIC PROJECTS

Log Data Visualization | Python, NLP, Seaborn, HTML5, CSS3, JS, Tableau

Dec 2022

- * Built a responsive website feeding on log data that displays useful results by forming useful connections in unlinked data.
- * Used NLP libraries for data retrieval and made word clouds to understand data which highlighted 3 important features.
- * Used Tableau to visualize the plots which improved the time spent in understanding data by a **factor of 100**.

Distributed Message Exchanger | Erlang, Akka, Gossip, Push-Sum, Topology

Nov 2022

- * Implemented Akka model in Erlang to make distributed system of nodes that can communicate with each other using message-passing algorithms which ran successfully for 100,000 nodes.
- * The nodes were present in an isolated environment where a global master Node controls all other nodes.
- * Used push-Sum and Gossip-Algorithms on 4 different network topologies.

Twitter Sentiment Analysis | Python, NLTK, Search Engine, Web Crawlers, Pandas

Apr 2021

- * Designed a model to predict the polarity of a given text at the document, sentence, or feature/aspect level and throw an alert if tweets were provocative statements.
- * Created model predicted the polarity of a tweet with an accuracy of 79.67%.
- * Played a significant role in identifying infuriating statements made during the Delhi riots in 2020.

Store Dashboard Software | Java, JavaFX, Swing, MySQL, Eclipse

Dec 2020

- * Designed an interactive Store Dashboard application with a shopper list Bill calculator for a General Store.
- * Calculated the aggregate price, has a calculator that includes taxes, and had delivery charges support based on location.
- * Implemented object-oriented programming practices such as inheritance to create different account types and databases.

ACHIEVEMENTS & EXTRACURRICULAR

- * Former **Secretary** and **Treasurer** at Entrepreneurship Cell, MMMUT, and conducted hackathons and coding classes.
- * **6*** in Algorithms on Hackerrank.
- * Secured **Academic Achievement Award as a scholarship** by the University of Florida.
- * Taught and solved doubts about Data Structures as a **Teaching Assistant** at Coding Ninjas.
- * Codeforces **Specialist** (Best Rating 1425).
- * Ranked in **top 2200** in Codeforces Round 645 Div. 2