SHASHANK RAMESH BHATIA

shashank.bhatia2015@gmail.com   https://www.linkedin.com/in/ShashankRameshBhatia/   +1 (682)-597-4157

EDUCATION

The University of Texas at Arlington, College of Engineering   **Jun 2023**
M.S. Computer Science *(Specialized in Artificial Intelligence, Machine Learning and Data Science)*
Relevant Courses: Neural Networks, Data Mining, Data Analysis and Modelling Techniques

University of Mumbai, Thadomal Shahani Engineering College   **Jun 2015**
B.E. Computer Engineering

SKILLS

Languages: C#, Java, JavaScript, SQL
Web Technologies: JQuery, HTML, CSS, XML, REST, MVC, Angular, Bootstrap
Other Skills/IDEs: Git, ASP.NET Core, Microsoft SQL Server, MySQL, IIS Server, Linux, Visual Studio

PROFESSIONAL EXPERIENCE

Saxam Softtech   **August 2015 – June 2021**
Senior Software Development Engineer (Backend)
- Was responsible for leading and training new hires for the team
- Led a team of 3 to plan and design the ERP module for Manufacturing Industries
- Ported the legacy SOAP based APIs to modern secure REST based microservices APIs *which made the application 65% faster for the end user*
- Secured the API using modern methods such as JWT and role-based access using Oauth2 and Open ID Connect
- Created, led, designed and implement architecture of schemas and APIs for the microservices that led to seamless integration with different services and products.

Software Development Engineer
- Performance tuned the code base and optimised the query plan to leading to 95% reduction in the down time
- Developed and automated the end of the day analytical report creation process, reducing manual accounting efforts by 90%.

ACADEMIC PROJECTS

Analysis of GameStop ($GME) through Long Short Term Memory before the Short Squeeze by r/WallStreetBets and Sentiment Analysis of r/WallStreetBets *(on-going)*
- Designed and implemented a Deep Learning model that predicted $GME price using Recurrent Neural Networks (RNN) using data from December 2020 compared it to the actual price of the stock in January 2021
- Performed Sentiment Analysis of r/WallStreetBets during the Short Squeeze and compared it to the price of $GME

Website with recommendation system to buy compare and buy products from different online vendors
- Developed an online store which scrapped APIs of different e-commerce websites to find the least expensive option to buy a product from.
- Merged different e-commerce websites' APIs into a single unified API to make better UX for users.
- Added machine learning recommendation system to the backend, which recommended the products similar to the previous products bought by customers
- Technologies used: HTML, CSS, Java, MySQL, JavaScript

Static landing page website for a Bank
- Made a static landing page frontend for a bank
- Displayed different services, schemes, interest rates, loan rates provided by bank.
- Technologies used: HTML, CSS, JavaScript

Graphical representation of Binary Search
- Made a console app to demonstrate the working of binary search algorithm, with the help of graphics in **C++**

Prime number checker
- Made a C++ graphical console program to check if a number is prime or not.

Video Interpolation Program
- Developed a program to increase framerate of videos to make them smoother and more lifelike
- Technologies used: ffmpeg, C++, MeGUI, AVISynth

EXTRA CURRICULARS

- Represented the United States in **Google Kick Start 2021**
- Was part of core team of Google Developer Student Club, The University of Texas at Arlington
- Member of Cyber-Security Club at The University of Texas at Arlington