AAREFA BHURKA

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Diligent and solution-oriented professional with 4+ years of invaluable hands-on experience in handling several complex software development projects, seeking a co-op opportunity within the field of software engineering and data science.

EDUCATION

Rochester Institute of Technology   *Aug. 2021 - Current*
Masters Data Science 2023

Gujarat Technological University   *July 2013 - May 2017*
Bachelor of Engineering Information Technology

EMPLOYMENT

Exxat, *Software Development Engineer*, India   *June 2017 - July 2021*

- Developed highly responsive and efficient web applications, mobile applications, and databases using various technologies - Angular 8, JavaScript, .Net Core, .Net MVC, SQL, CosmosDB, jQuery, and Ajax

- Developed NoSQL Stored Procedure to update 5000+ documents, thereby abolished manual data update and the team was able to modify the data in multiple files with just one click

- Created .Net Core utilities to download the data from a third-party server and insert it into the product's database, ensuring that imported data is clean and transformed into the required format

- Analyzed and improved our product dashboard by implementing caching and optimizing code logic, thereby improving load times by 60%

- Created Angular code guidelines and conducted learning sessions for front-end & middleware coding which increased team efficiency by 10%

- Responsible for spearheading teams that handled the software development life cycle, end to end

SKILLS

PROGRAMMING LANGUAGE: Angular 7+, Python, JavaScript, Ajax, jQuery, C#, Java, .Net Core

DATABASE: SQL, CosmosDB, MongoDB, PostgreSQL

TOOLS: Jupyter Notebook, MATLAB, Tableau, D3.js, Visual Studio

PROJECTS

Stock market data preprocessing and collection   *Aug. 2020 - Present*

- Created a web portal which helps users to view the stock price information from January 1996 to August 2020 with various graphical representation using Angular 8+, Tableau and MySQL

- Built a Python web job that downloads the up-to-date price of every stock every 24 hours and prepares a dataset that gathers the information of 1,05,000 stocks within 3 - 4 seconds

- Published the dataset on Kaggle and got an appreciation from a renowned data scientist Sudalai Rajkumar

(Ongoing work)

- Presently working on the prediction algorithm, that will predict the future price of the given stock

- Users will be able to visualize the future trends of the stocks with various charts and graphs

- Users will be able to add the list of stocks to the Wishlist and be able to export the previous and future trends of stocks

E-commerce website for computer hardware   *Aug. 2019 - Nov. 2019*

- Built a web portal using Angular, C#, and .Net Core that facilitate user to sell/purchase computer hardware products
- Implemented intricate modules, including user role-based login, payment gateway, and email notification, following micro-service architecture, that helped us to pull more customers due to rich feature
- Created an automated test cases for front-end and back-end testing, which reduced the QA time by 80%

Automated data import via SFTP   *June 2018 - July 2018*

- Implemented the SQL Server SSIS Packages that read the files from the SFTP server and saves them to the database, which eliminated manual efforts of downloading the files and update the database
- SSIS Packages also took care of data cleaning and transformation before saving it into the database, hence data saved in normalized form was more readable and easily manageable
- Implemented a web job that deletes the imported files from the server weekly. This resulted in getting rid of the unused data and prevented the memory overflow of the server

AWARDS

Above & Beyond Award, *Exxat*	*Dec. 2020*
Responsible Employee of The Year Award, *Exxat*	*Nov. 2019*
Exemplifier of The Month, *Exxat*	*Aug. 2019*
Shri Dewang Mehta IT Award - Certificate Of Excellence Top Ranker 2017, *Gujarat Technological University*	*Jul. 2017*

CERTIFICATIONS

- AWS Certified Developer – Associate (Ongoing)
- The Data Science Course 2022: Complete Data Science Bootcamp - Udemy Certification
- Build an app with ASPNET Core and Angular - Udemy Certification