

Fehmina Hasan

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EDUCATION

Westcliff University

MBA, Concentration: Web Development

Irvine, CA

June 2024

- Awards: Centennial Scholarship, Dean's List, Grace Hopper Celebration Scholar 2019

WORK EXPERIENCE

Charles Schwab and Co.

Data Engineer I

Dallas, TX

Sept 2020 - Present

- Improve performance of existing ETL processes by applying data quality checks and performance tuning to better cater to our consumers marketing campaign needs as well as reduce CPU consumption costs.
- Collaborate with team members and stakeholders to discuss business needs in order to perform and optimize data modeling and Leverage Informatica to build efficient workflows.
- Used complex SQL queries to perform analysis and find the missing records in the data warehouse and cross check with the big data environment to ensure 100% accuracy.
- Optimized Spark context entries for resource allocation in order to speed up the data transfer job in the bigdata environment by 33%.

Artificial Intelligence Lab, University of Rhode Island

Research Assistant

Kingston, RI

Jan 2020 - Aug 2020

- Collaborated with team members by utilizing NLP concepts to build an auto-grader using the paragraph embedding model and different ML algorithms such as logistic regression to achieve the best results.
- Document all significant milestones and results for weekly meetings and reports.
- Facilitated summer camps to teach basic programming concepts to students K-12.

IT Service Desk, University of Rhode Island

IT Consultant

Kingston, RI

Sept 2017 - May 2020

- Communicated effectively with customers to troubleshoot technical issues and conduct diagnostic appointments to optimize devices.
- Managed tickets through the Pinnacle ticketing system. Dealt with Active directory, Networking and VPN issues.

PROJECTS

Image Processing

- Programmed in C to implement a Dynamic Link Library to build and run a program that manipulates TGA formatted Images by Cropping, Gray scaling, Rotating and Mirroring the image.

Fake News Classifier

- Exercised pandas and sklearn library to build a classifier that can distinguish between fake and real news.
- Achieved 88% accuracy level with Naïve Bayes.

LEADERSHIP EXPERIENCE

Desi Student Association, Vice President

Sept 2017 - May 2020

- Collaborated with teammates to organize, publicize and host events for an audience of nearly 300 to raise awareness about South Asian culture.

College of Arts and Science, Student Ambassador

Sept 2019 - May 2020

- Collaborated with other ambassadors to promote, represent and organize events dedicated to the growth of the college and its students.

TECHNICAL SKILLS

Language: Python, SQL, Java, C/C++, JavaScript, HTML5, CSS, R, Shell script

Technology: Unix, Informatica Power Center, Talend, Erwin, Jupyter Notebook, Excel, Spark, Hadoop, Hive, TeraData, Git/Version Control, Control-M scheduler, Bamboo CI/CD, Visual Studio, Agile Methodologies

Certificates: Microsoft Excel Specialist Certification (2018) , MTA: Intro to Java Programming (2021), Professional Scrum Developer Certification (2021), Google Cloud Certification (In-progress)