Batool Al Salman

batool.alsalman0404@gmail.com | LinkedIn | 0411205854

Education

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University of technology sydney   Feb 2021
Bachelor of data science honours

Frontend Simplified   Dec 2024
Frontend development

Experience

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Battery Exhaustion Analysis for Ericsson project in studios (2023)
Role: data analyst & software developer

- Completed a thorough examination of Ericssons network infructure's battery exhaustion problems with the goal of locating and resolving performance deterioration brought on by power- related malfunctions.
- Investigated battery life cycles and identified underlying reasons for high energy consumption using machine learning and data analysis
- worked in cross-functional teams with network experts and hardware engineers to test, verify, and put into practice battery-saving solutions.
- created and put into use a data-driven prediction model to detect patterns of battery depletion and recommend preventative actions to prolong battery life.
- provided practical suggestions that enhanced Ericsson's network infrastructure overall, decreasing downtime and boosting operational effectiveness.
- created thorough technical reports and gave top management presentations of the results, providing lucid explanations and possible avenues for additional optimisation.

Optick / KPMG (2023 - 2024)
Role: data analyst & software developer

- Collaborated with KPMG through Optik to develop a web application aimed at optimizing operational efficiency and cost savings, contributing to project planning and early-stage development.
- Contributed to both software engineering and data engineering tasks, helping streamline workflows for internal users and customers.
- Worked as part of a cross-functional team, applying full-stack development and data management techniques to design a scalable solution.
- Assisted in the design and implementation of backend services, ensuring seamless data integration for improved decision-making.
- Contributed to testing and troubleshooting efforts, enhancing application functionality and user experience.

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Frontend Simplified (2024 - Present)
Role: Mentor & software developer

- Mentored students in frontend development, guiding them through building interactive and dynamic user interfaces with HTML, CSS, JavaScript, and React.
- Provided hands-on support in transforming static applications into responsive, animated websites using CSS transitions, React components, and carousels.
- Taught students how to process API requests with Axios, handling dynamic data from cloud servers with features like pagination, skeleton loading states, and dynamic routing.
- Created and reviewed coding challenges, offering constructive feedback to help students strengthen their problem-solving skills and improve their frontend development expertise.
- Promoted best practices in version control, teaching students how to use Git and GitHub effectively for collaboration in team-based projects.
- Encouraged a positive learning environment, ensuring students gained the confidence to independently build and deploy web applications.
- Developed and deployed many web applications for businesses including e-commerce websites, static website, and progressive web apps

Technical Skills
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- Github
- Python
- C++
- java script
- HTML & CSS
- Machine learning

- SQL
- Vs code
- AWS
- MATLAB
- Microsoft Azure
- Data visualization

References
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Available upon request