Abdi Jama

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Education

BEng Chemical Engineering, Queen Mary University of London (2:1)   **2019-2022**

Modules Including: Heat Transfer and Fluid Mechanics (70%), Mass Transfer and Separation Processes (80%), Control Systems Analysis and Design (75%), Thermodynamics (70%), Advanced Safety Engineering (70%)

- Wrote 5000-word dissertation focused on creating a water treatment plant that would treat an incoming highly concentrated water stream containing lead. The dissertation contained goals, projected plant process flow diagram (PFD), Hazop analysis, cost analysis, location analysis and final conclusions which resulted in a 99.8% lead removal and plant would have projected to be profitable after 3 years.
- Received excellent feedback

LAE Tottenham, London   **2017-2019**
A Levels: Mathematics(A), Biology(B), Chemistry(B)

Experience

Octopus Energy (Intern), London   **2021-2021**

Mathematics Tutor, Best Tutors, London   **2020-2023**

- Providing one on one tutoring for up to 3 children per week
- Developed strong communication skills by articulating complex concepts in a simplified manner

Extra-Curricular Activities/Projects

- Developed a secure full-stack password manager with encryption for safe storage of unique passwords. Designed a responsive website interface for seamless user experience. Implemented efficient pagination using Prisma ORM for optimized password record management.
- Developed a real-time chat application using Firebase, enabling seamless communication between users.
- Developed a responsive financial management application with user-friendly interface, allowing easy creation and management of multiple mock bank accounts. Hosted on AWS for enhanced reliability and scalability.
- Created a versatile Discord bot that seamlessly plays YouTube music videos based on user commands. Implemented a feature-rich queue system, allowing users to manage and control the playback of videos with ease.

Other Skills

IT: Python,C,ReactJS,NextJS,JavaScript,Relational Databases (MySQL), Basic AWS Deployment, Docker, Typescript,Tailwind.