

MOHAMMED IRFANUL HAQUE

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WHY CHOOSE ME

- Front-End: Experienced with Bootstrap, Tailwind CSS
- Back-End: Skilled in ExpressJS, NodeJS, MongoDB, GraphQL
- Cloud: Hands-on experience with AWS EC2, S3, ELB, Route 53, Amplify
- DevOps: Implemented Docker, GitHub Actions, CI/CD pipeline
- Mobile: React Native development experience

EDUCATION

Bachelor of Science with Computer Science major and Mathematics minor

Memorial University of Newfoundland

St. John's, NL

September 2021 - Current

RELEVANT EXPERIENCE

Full-Stack Developer | Muslim Student Association, Memorial University of Newfoundland (Dec 2023 - Current)

- Delivered and maintained a Full-Stack **NextJS** app developed using **JavaScript** and **TypeScript** as part of an **Agile** software development team
- Employed **Bootstrap framework** for front-end website styling
- Maintained user interfaces using **React components** ensuring modularity, reusability, and dynamic state management
- Utilized **MERN Tech Stack** for **JWT** and **OAuth** user authentication
- Hosted using **AWS Amplify** service through a **CI/CD** for a streamlining deployment, scaling, and integration
- Created codebase **documentation**, boosting adaptability for new developers

Registrar's Office Student Assistant | Memorial University of Newfoundland

(Oct 2021-May 2024)

- Automation of **Data Entry** forms using VBA and SQL in MS Access for student applications
- Automated import and export of student application data from **MS Excel** and **MS Access relational database** through forms designed with **VBA**

PROJECTS

Portfolio Website irfanul.com (Dec 2023- Current) 🔗

- Utilized **React.js** and **Tailwind CSS** to create a responsive portfolio website showcasing projects and skills
- Followed **DevOps** practices by creating a **CI/CD pipeline** with **GitHub Actions** and automated deployments using **Docker** containerization on **AWS EC2**
- Hosted on a custom domain through **AWS Route 53** with an **AWS S3 bucket**, ensuring scalability and reliability
- Enhanced security and trust by integrating an **SSL certificate** and utilizing **AWS Elastic Load Balancer** for efficient traffic management

Fittrack Mobile React Native Mobile App (May 2024- Current) 🔗

- Developed a full-stack mobile fitness tracker app using **React Native** and **Expo**, with cross-platform capabilities across iOS and Android
- Integrated a **GraphQL** API via **IBM StepZen** to aggregate data from multiple sources: API Ninjas for exercise listings and a serverless **MongoDB Atlas** database for managing user exercise logs
- Enabled dynamic data interaction, allowing users to search, view, and log exercises directly within the app

AI JavaScript Web App | Course Project (Sep 2023-Dec 2023) 🔗

- **A* search** algorithm for pathfinding, incorporating different heuristics
- Iterative Deepening **Alpha-Beta Pruning** algorithm for a Connect 4 game
- **Genetic Algorithm** tailored for optimizing Sudoku solutions
- **Q-based reinforcement Learning** algorithm to teach an agent to navigate and make decisions based on rewards

CERTIFICATIONS

- **Amazon Web Services** CLF-002 Cloud Practitioner Certificate (May 2024)
- **Udemy** Ultimate AWS Certified Cloud Practitioner CLF-C02 by Stephane Marek (Jan 2024)
- **Student Volunteer Bureau** Volunteer Incentive Program Gold Level (Apr 2023)