

SHADMAN SAKIB

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EDUCATION

Missouri State University, Springfield, MO

MSc in Computer Science

Conducting research within the realm of cloud computing, with a specialized focus on ML/AI

Aug 2023 – May 2025

(expected)

BRAC University, Dhaka, Bangladesh

BSc in Computer Science and Engineering

Graduated with highest distinction

Jan 2017 – Jan 2021

GPA: 3.82/4

TECHNICAL SKILLS

Frontend: React, React Native, Apollo Client, Material UI, Bootstrap, HTML, CSS, Javascript, Typescript

Backend/Frameworks: Node, Express, GraphQL, Django

Database & Devops: PostgreSQL, MongoDB, AWS, Expo EAS, Jenkins

EXPERIENCE

Graduate Research and Teaching Assistant

Missouri State University

Aug 2023

Springfield, MO

- Conducted research in cloud computing, focusing on optimizing performance through load balancing and data center selection policies, resulting in a 15% decrease in average response time and a 20% improvement in resource utilization for cloud-based applications
- Currently serving as a Teaching Assistant in the Computer Science Department, responsible for mentoring and guiding a diverse group of over 150 students in subjects such as Internet Programming and Advanced Data Structures

Full Stack Developer

Girmairi

Sept 2021 – Aug 2023

Remote

- Led a team of 5 developers in the development of a frontend web application using React.js and Material-UI, resulting in a 30% increase in user engagement within the first month of launch
- Orchestrated the backend architecture using Node.js, Express.js, and MongoDB, ensuring robust server-side logic and efficient database management resulting in a 40% increase in data retrieval speed
- Independently developed and maintained the mobile application using React Native, demonstrating expertise in cross-platform mobile development. Leveraged Expo EAS to optimize the build and deployment process, leading to a 50% reduction in time-to-market and achieving successful launches on both the App Store and Play Store
- Spearheaded the optimization of the CI/CD pipeline, utilizing AWS services such as CodeBuild, Elastic Beanstalk, and AWS Pipelines. Implemented automation strategies resulting in a 40% reduction in deployment time and a 30% decrease in deployment failures, enhancing overall efficiency and reliability in the deployment process
- Conducted thorough code reviews, providing constructive feedback, and implementing best practices, resulting in a 25% reduction in code defects and a 20% improvement in code efficiency across the development team

PROJECTS

Teebay | React, GraphQL, Apollo Client, Node, Express, PostgreSQL 🔗

- Built a simple backend and frontend CRUD application showcasing skills using GraphQL

To-Do App | React, Node, Express, MongoDB 🔗

- Built a to-do application tracker with user authentication and authorization incorporated within it

PUBLICATION

A Machine Learning and Deep Learning Approach to Classify Mental Illness | 🔗

Jan 2023

- Text classification methods to identify individuals with mental health conditions through their language usage on social media. Applied different ML classifiers, Neural Networks and BERT language Model to train and classify 4 highly common mental illnesses (Depression, PTSD, Bipolar disorder, Schizophrenia)