Mohd Khaja Tabsheeruddin

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Summary

Software Engineer with a DevOps and Cloud foundation. Experienced in building responsive web applications using modern JavaScript frameworks and robust backend services. Skilled in cloud deployment, database optimization, and API design. Proven ability to deliver efficient, scalable solutions while maintaining high code quality and performance standards.

Education

MNR College of Engineering and Technology 2024
Bachelor of Technology in CSE *CGPA: 8.13/10.0*

Royal Junior College 2020
Intermediate in MPC *Percentage: 93.9*

Shree Gayatri School 2018
10th Standard *CGPA: 10.0/10.0*

Skills

Languages: Java, Python, JavaScript, TypeScript, Go(Beginner)
Databases: MySQL, PostgresSQL, MongoDB
Cloud: AWS (S3, EC2, IAM, RDS)(Learning)
Frameworks and Libraries: React, Next, Express, Spring
Development Tools: REST APIs, Unit Testing, Postman
DevOps and CI/CD: Docker, Kubernetes(K8s), Git

Projects

Sage | *TypeScript, React, Next, Tailwind, OpenAI* github.com/tabsheermk/Sage-AI

- Architectured and launched a comprehensive AI-powered web application integrating multiple OpenAI services including image, code, audio, and video generation capabilities
- Engineered robust API integrations with OpenAI services, implementing efficient error handling and response optimization
- Spearheaded the implementation of a Stripe-based subscription system, enabling monetization through premium features
- Crafted responsive and intuitive user interfaces using Tailwind CSS, ensuring seamless user experience across all devices
- Orchestrated deployment pipeline using GitHub for version control and Vercel for continuous deployment

Automated Image Captioning | *Python, Flask, Keras*

- Spearheaded development of an ML-powered image captioning system as lead developer in the 7th semester
- Accelerated project delivery by optimizing team workflow, completing deliverables **25% ahead of schedule**
- Engineered and implemented a sophisticated neural network architecture leveraging RNN and LSTM technologies
- Achieved **65% accuracy** in caption generation through strategic model training on a diverse **dataset of 8,000 images**

A Personal Privacy Data Protection Scheme for Encryption and Revocation of High-Dimensional Attribute Domains

- Leveraged Java, Servlets, JSP, and JDBC to design a robust encryption system for sensitive data protection
- Led development team in final semester to deliver an innovative encryption mechanism with **20% improved performance**
- Orchestrated team collaboration and resource allocation as project lead, ensuring timely milestone completion
- Developed optimized encryption algorithms that demonstrated superior security while reducing computational overhead

Revised on 5 December 2024