Shadab Hussain

Software Developer Trainee

Computer Science and Engineering

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 GitHub Profile

 LinkedIn Profile

CAREER SUMMARY

Proactive and detail-oriented Full Stack Engineer with a proven track record in designing, developing, and deploying scalable applications and APIs for diverse organizational needs. Adept at managing complex projects, including feature-rich MVC web applications with ML-based functionalities and high-availability API systems serving thousands of users. Demonstrates strong problem-solving skills by automating deployment workflows, reducing deployment times by up to 80%, and resolving critical real-life scenario-based challenges using technologies like TensorFlow and Firebase. Skilled in end-to-end project management, from database design to deployment, and highly adaptable to dynamic, fast-paced environments. Passionate about leveraging innovative solutions and committed to delivering excellence in every aspect of development and deployment.

EDUCATION

·**Bachelor Of Technology in Computer Science & Engineering**   *2020-2024*

Bihar Engineering University, Patna

·**Higher Secondary**   *2019-2020*

Park Mount Public School, Phulwari Patna

·**Senior Secondary**   *2017-2018*

ST. Dominic Savios High School, Danapur Patna

EXPERIENCE

· **MINTWAYS TECHNOLOGIES PVT LTD**   *Sept 2024 - Present*

Software Developer - Trainee

- **Engineered Scalable Solutions**: Built MVC web applications with ML-based reporting and reliable APIs, serving thousands of users with optimized performance and scalability.
- **Streamlined Deployments**: Automated deployment workflows using GitHub Actions, reducing deployment times by 80% with efficient SSH-based techniques.
- **Integrated Advanced Technologies**: Enhanced API functionality with Firebase Cloud Messaging V1 API, enabling real-time, resilient communication.
- **Managed End-to-End Development**: Led full-stack development for APIs and web applications, including frontend, backend, database, and deployment, ensuring seamless delivery.

PROJECTS

· **REAL-TIME COLLABORATIVE EDITING SYSTEM (Ongoing)**

Developing a real-time collaborative editing system with Operational Transformation for seamless, conflict-free multi-user document editing.

- Creating a system for real-time multi-user document editing using Operational Transformation (OT) for conflict-free synchronization.
- Designing efficient data handling to support concurrent edits with low latency and seamless user experience.
- Building infrastructure to support several users with fault-tolerant, real-time data synchronization.
- Implementing intuitive interfaces with features like version tracking, role-based access, and real-time notifications.

· **ENCRYPTED NOTES**

A secure note-taking application that ensures data protection with AES 128-bit encryption and privacy with JWT authentication.

- Developed a web application using AES 128-bit encryption and JWT Cookie-Authentication to ensure secure user sessions and data protection.
- Created RESTful APIs for seamless frontend-backend integration, enabling dynamic and secure note management.
- Integrated Bcrypt encryption to secure user passwords during sign-up, login, and profile management.
- Integrated AES 128-bit encryption for sensitive data and advanced search functionality to improve user experience.

TECHNICAL SKILLS & INTERESTS

Languages: C++, C#, JavaScript

Libraries: React.js

Development-Tools: GitHub Actions, Git/GitHub, VS Code

Frameworks: ASP.NET Core, Express.js

Databases: Relational Database (MySQL and MSSQL), MongoDB

Relevant Coursework: Data Structures & Algorithms, Object Oriented Programming, Database Management System

Soft Skills: Self-learning, Presentation, Adaptability, Communication, Observer, Emotional Intelligence, Teamwork