

SAI KRISHNA BOLLINA

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EDUCATION

University of Utah

Master of Software Development, CGPA: 3.8/4.0

Salt Lake City, UT

Aug 2022 - May 2024

- **Relevant Courses:** Object Oriented Programming, App/Web Development, Networks and Security

BML Munjal University

Bachelor of Technology in Mechanical Engineering, CGPA: 7.1/10.0

Haryana, India

Aug 2016 - Aug 2020

- **Relevant Courses:** Web development, automation, and robotics

TECHNICAL SKILLS

Programming: Assembly, HTML, CSS, jQuery, Python, JavaScript, TypeScript, C#, D Language, C++, Java

Development Frameworks/Libraries: .Net, Flask, Angular, ReactJs, Node.js, Express, NextJs, Bootstrap, Tailwind

Databases: MongoDB, SQL, PostgreSQL.

Cloud: AWS – EC2, S3, RDS; Docker.

Analytics Tools: Microsoft Excel, PowerPoint.

Outros: Git, Agile Methodologies, Data Structures and Algorithms, Jira

EXPERIENCE

Front End Developer - Navars Edutech

Apr 2022 – Jul 2022

- Developed a Learning Management System (LMS) leveraging React JS library and Bootstrap as CSS Framework, automating student enrollment processes, and streamlining administrative and logistic tasks.
- Led weekly client and internal meetings, facilitating discussions on shipment tracking and delivery optimization using Shiprocket. Achieved an 80% reduction in package loss and implemented efficient error tracking for delicate space project kits.
- Eliminated manual efforts for payment collection and demo class enrollments by seamlessly integrating Razorpay's APIs.
- Enhanced sales performance by reducing lead leakage to 19% through seamless integration with LeadSquared CRM.
- Implemented super-light global styles and components on top of Bootstrap, resulting in faster website load times and a Cumulative Layout Shift under 0.1.

Intern - Software Development Fellow - Deepthought EduTech Ventures

Jan 2021 – Mar 2022

- Spearheaded the development and commercialization of a cutting-edge Socratic Dialogue Learning Management System, dedicated to cultivating young thought leaders driven by the joy of learning.
- Engineered the LMS by leveraging an open-source code base, incorporating Smarty (PHP templating language), JavaScript, and Node.js, ensuring optimal performance and user experience.
- Achieved a 100% automation rate for testing, build, and deployment procedures through GitHub CI/CD integration, streamlining development workflows and enhancing productivity.
- Collaborated seamlessly with cross-functional teams, actively contributing to two distinct leadership teams mentored by senior product development leaders.
- Co-led efforts to cultivate an independent and innovative work culture within the technology teams.

PROJECTS

Database Optimization and Performance Enhancement:

- **Identified and Resolved Performance Bottlenecks** Diagnosed and optimized SQL queries and database structures, resulting in a 30% reduction in query execution time and improved system responsiveness.
- **Implemented Indexing Strategy** Developed and implemented a comprehensive indexing strategy to enhance data retrieval efficiency, reducing query response times by 20%.
- **Data Security Enhancement** Strengthened data security measures by implementing role-based access control (RBAC) and encryption, ensuring compliance with industry standards, and safeguarding sensitive information.

Cricket Score Tracker

- Developed a Cricket score calculator app for local cricket matches using ASP.NET Core, Identity Server4(SSO authentication), and SQL database.
- Achieved an 80% reduction in score monitoring effort and eliminated calculation errors to maintain a flawless scoring process.

Web Chat Client and Server (Java, Android)

- Utilized multiple threads to manage HTTP and WebSocket requests via TCP protocol, and created a user-friendly GUI for web pages and Android applications, including various features like chat room names etc.