Mohd Saad Shaikh

6377872242 | mohdsaadshaikh17@gmail.com | www.linkedin.com/in/saaadshaikh | github.com/szzd7223

Education

MS Ramaiah Institue of Technology — Banglore, KA
Bachelor of Engineering in Electronics and Telecommunication — *Dec. 2021 – May 2025*

Seedling Public School — Jaipur, RJ
12th standard — *March 2020*

Seedling Public School — Jaipur, RJ
10th standard — *March 2018*

Technical Skills

Languages: Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS,
Data Structures and algorithms: Arrays, Linked Lists, Stacks, Queues, Hash Tables, Trees, Graphs, Sorting and Searching Algorithms, Dynamic Programming
Frameworks: React, Node.js, Express.js, FastAPI
Developer Tools: Git, MongoDB, Postman, Visual Studio Code, Postgres, Bash
Libraries: pandas, NumPy, Matplotlib, sklearn
Operating Systems: Linux (Debian Based distributions, Fedora, shell scripting, system administration)

Projects

Medical Insurance Price Prediction Tool | *Machine Learning, Python, Node.js, React, Express.js* — June, 2024

- Developed a full-stack web application with Node.js, React, and Express.js, integrating a Python-based machine learning model for real-time predictions.
- Engineered a dynamic frontend using React, enabling users to input data and view real-time predictions; enhanced user engagement by 40% and reduced data processing time by 25%
- Implemented a backend server locally with Express.js, managing user requests and interfacing with the machine learning model.
- Achieved a prediction accuracy of 88% through model training and optimization, ensuring reliable estimates for medical insurance costs.
- Implemented and evaluated multiple models, including Linear Regression, Decision Trees, and Random Forest, using metrics such as Mean Absolute Error (MAE) and Mean Squared Error (MSE).

Real-Time Comments System | *Next.js, Node.js, Socket.IO, MySQL, Material UI* — Oct, 2024

- Built a real-time commenting system with a responsive frontend using Next.js and a backend powered by Node.js and Socket.IO for instant updates across connected users.
- Designed a user-friendly interface with Material UI, supporting username-based login for comment posting.
- Developed backend with Express.js, MySQL, and Socket.IO to manage persistent comment storage and real-time event broadcasting.
- Configured a MySQL database with a structured schema for storing comments and timestamps to ensure data persistence.
- Implemented simple authentication and session ID handling to allow multiple users to join and interact in real time.

Interactive 2048 Puzzle Challenge | *HTML, CSS, Javascript, Git* — July, 2024

- Developed a captivating web-based 2048 puzzle game using HTML, CSS, and JavaScript, achieving a responsive design with over 95% cross-device compatibility.
- Implemented core game mechanics including tile sliding, merging, and new tile generation, resulting in seamless gameplay for sessions with over 1000 moves.
- Designed and integrated a dynamic scoring system to track player progress, supporting scores up to 100,000+ points.
- Utilized Git for version control, managing over 20 commits to ensure a well-documented and organized codebase.
- Implemented Data structures and algorithms techniques

EXTRACURRICULAR

- Handled Social media for 19A RIT Nov. 2022 to Dec. 2023
- Volunteered for Centuriton RIT Nov. 2022