Bhawani Shankar

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Education

Indian Institute of Technology Jodhpur   Expected Graduation 2027
Bachelor of Technology (Major in CSE) (GPA : 8.15 / 10.00)   *Jodhpur, Rajasthan*

Bhagwan Mahaveer Senior Secondary School, Bikaner   2022
Class 12th in PCM (Percentage : 96%)   *Bikaner, Rajasthan*

Projects

CallsVid | *React.js, Node.js, Express.js, Socket.io, WebRTC, MongoDB, Bootstrap, Material UI, Axios, JWT*
- Developed a real-time video calling app using WebRTC and Socket.IO for peer-to-peer communication.
- Implemented JWT-based authentication and RESTful APIs with Express.js.
- Designed a responsive UI with React, Bootstrap, and Material UI.
- Used MongoDB for managing user data and call logs.

SSO - Single Sign-On | *FastAPI, MySQL, JWT, OAuth 2.0, React, Bootstrap, Material UI, HTTPS*
- Developed a secure Single Sign-On (SSO) system for IIT Jodhpur enabling centralized authentication across institutional services.
- Implemented OAuth 2.0 and JWT for token-based authentication and authorization.
- Built a responsive frontend with React, styled using Bootstrap and Material UI.
- Managed user credentials and session data with MySQL, ensuring data integrity and security.

Zerodha Clone | *React, Node.js, Express.js, MongoDB, Socket.IO, REST APIs, Bootstrap, Material UI*
- Developed a real-time stock trading platform replicating Zerodha's core features.
- Implemented live market data updates and order execution using Socket.IO and REST APIs.
- Built a responsive, user-friendly interface with React, Bootstrap, and Material UI.
- Managed user portfolios, transactions, and authentication with MongoDB and Express.js backend.

Technical Skills

Languages : C, C++, Python, Java, HTML, CSS, JavaScript,

Technologies: Git & Github, React.js, Node.js, Express.js, Django, Bootstrap, MaterialUI, Tailwind CSS, MongoDB, SQL, FastAPI

Concepts: Compiler, Operating System, Encryption, Decryption, API, Databases, Computer Networking

Relevant Coursework

IIT Jodhpur : Data Structures & Algorithms, Machine Learning, Introduction to Computer Science, Probability Statistics and Stochastic Process.

Apna College : Full Stack (MERN Stack) Web Development