

Shankharishi Khan

Integrated MSc in Mathematics and Computing

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GitHub Profile

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EDUCATION

•Birla Institute of Technology, Mesra, Ranchi, Jharkhand

2020-2025

Integrated MSc in Mathematics and Computing

GPA: 8.7

•RKMV,Deoghar,Jharkhand - Higher Secondary

2020

Central Board of Secondary Education(C.B.S.E)

Percentage: 94.80

PROJECTS

•Real-Time Chat Web App

Link

Skills Used- MongoDB, Express, React, Node

- Created a dynamic and responsive platform that enables real-time interactions among users.
- Utilized **MongoDB** a flexible and scalable database, was employed to store user data and chat history .
- Integrated **React** to create Single Page Application, user friendly and responsive UI.
- **JWT authentication** was implemented to guarantee the highest level of security for user accounts and access control.

•Holiday Booking Portal (MERN Stack)

Link

Skills Used- MongoDB, Express, React, Node

- The app needed to provide users with a wide range of travel options, from flights and accommodations to activities and itineraries, all within a single, user-friendly interface.
- Used **React Framework** which promotes reusability and scalability allowing us to create a dynamic and responsive user interface. **Real-Time Booking** We integrated real-time booking functionality, allowing users to book flights, accommodations, and activities directly through the app.Payment processing is secure and seamless.

•MERN - Matrimony App with Admin Panel

Link

Skills Used- MongoDB, Express, React, Node , firebase

- The Full Stack MERN Matrimony App is a matchmaking platform built using the MERN stack (MongoDB, Express.js, React.js, Node.js). It offers advanced search capabilities, real-time chat, and friend management features. The admin panel ensures efficient oversight and management.
- **Chat and Messaging** Real-time chat with notifications, read receipts, and typing indicators.
- **Friends and Blocking Features** Add, block, and unblock users; report inappropriate behavior.
- **User Experience** Responsive, user-friendly design with regular updates.Responsive design for mobile and desktop users.
- **Admin Panel** User management, content review, and analytics dashboard.

•Movie Recommendation System (Text Based analysis)

Link

Skills Used- Python, Numpy, Pandas, Machine Learning, Scikit Learn

- Leveraged **Python, NumPy, Pandas, Machine Learning, and Scikit-Learn** to develop a Movie prediction model.
- Achieved an impressive **81% accuracy** in predicting top 5 relevant movies on the basis of movie selected.
- Selected and engineered relevant features, conducted exploratory data analysis (EDA), and applied various machine learning algorithms.

TECHNICAL SKILLS AND INTERESTS

Programming Languages: Python, HTML, Javascript

Libraries : Python Data Science Libraries, Machine Learning Libraries, Tailwind CSS, Bootstrap, React.js, Node.js, Express.js

Cloud/Databases: Relational Database(mysql), MongoDB , Firebase

Areas of Interest: Artificial Intelligence, Machine Learning, Deep Learning, Neural Network, Full stack Web Development, Ethical Hacking

Soft Skills: Training and Instructing, Analytical Thinking,Problem solving

POSITIONS OF RESPONSIBILITY

•Member Google Developer's Student's Club (GDSC) , BIT Mesra

June 2022 - July 2023

CERTIFICATES AND ACHIEVEMENTS

- **Smart India Hackathon (SIH) - Team Member**Successfully participated as a team member in SIH, contributing to innovative solutions and collaborating effectively with team members.