

Ashutosh Mishra

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EDUCATION

BIT, MESRA

B.TECH IN COMPUTER SCIENCE

Nov 2022 - present

CGPA: 8.00

DPS, RANCHI

SENIOR SECONDARY

July 2022

Percentage: 95.00

KAIRALI, RANCHI

MATRICULATION

July 2020

Percentage: 97.84

SKILLS

PROGRAMMING LANGUAGES

C++ • JavaScript • Python • Java

WEB DEVELOPMENT

MongoDB • ExpressJS • ReactJS
Node.js • APIs • Tailwind CSS
Mongoose • NextJS • Restful APIs
Socket.io • UI/UX • Figma

MACHINE LEARNING

Supervised Learning • NumPy • Pandas
Matplotlib • Regression

TOOLS

Git • GitHub

INTERPERSONAL

Leadership • Team Management
Teamwork • Critical thinking
Problem Solving • Timely Communication

COURSEWORK

Operating Systems
Object-Oriented Programming
Data Structures and Algorithms
Database Management System

LINKS

Github: //keyz4

Codeforces: //Code_cracker01

Leetcode: //Keyz4

GeeksForGeeks: ashutosh02zan

Takeuforward: //AshutoshMishra

Linkedin: //ashutoshmishra2022

EXPERIENCE

FINANCE CLUB | TECHNICAL COORDINATOR

May 24 – present | BIT MESRA, RANCHI

- Maintained and updated finance club websites, ensuring content accuracy and functionality.
- Created event-specific websites, leading a team of developers and mentoring peers in web development.
- Leveraged technology to enhance club engagement and communication, driving increased member participation.

PROJECTS

CHESS GAME | GITHUB | LINK

- Developed a chess game with multiplayer functionality using Express, Socket.io, and JavaScript, enabling real-time matches between users.
- Implemented a single-player mode that allows users to play against the Stockfish chess engine, with adjustable difficulty settings.
- Utilized React.js for efficient component-based development and designed a smooth, intuitive user interface for both multiplayer and single-player modes.
- Ensured reliable real-time communication and synchronization of game states through WebSockets, providing a seamless gaming experience.
- Tools and technologies used: **HTML, Tailwind CSS, JavaScript, React, MongoDB, Express, Node.js, SocketIO, JWT**

FACE MASK DETECTION | GITHUB

- Developed a mask detection system using Python, Keras, and OpenCV to enhance public health safety in real-world environments.
- Trained a neural network model to accurately detect the presence of face masks in real-time.
- Tools and technologies used: **Python, Keras, OpenCV, Jupyter Notebook**

DISPENSARY MANAGEMENT SYSTEM | GITHUB

- Developed a Digital Prescription System: Designed and implemented a system to digitalize prescriptions, eliminating the risk of falsified medical certificates and ensuring accurate record-keeping.
- Enhanced Inventory Management: Created an inventory management module using MongoDB to track and manage the stock of medicines, ensuring timely restocking and reducing the risk of stockouts.
- User Authentication and Security: Implemented robust user authentication and authorization mechanisms to ensure data privacy and security.
- Tools and technologies used: **MongoDB, Express.js, React.js, Node.js**

CERTIFICATIONS

- **Generative AI** Certification by Google Cloud
- Supervised Learning, Stanford University (Coursera)