AYUSH BARAI

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Education

The Oxford College of Engineering	**2020 − 2024**
B.E in Computer Science Engineering	*Bangalore*
St. Paul Junior College	**2018 − 2020**
Senior/Higher Secondary School	*Nagpur*

SKILLS

Data Structures and Algorithms • Competitive Programming
Programming Language | *C++ • C • Python*
Front end Development | *JavaScript • Bootstrap • HTML • CSS • React.Js*
Familiar with | *Java • SQL*
Soft Skills | *Team Player • Bias for action • Deliver result*

Internships and Experience

Tech Mahindra	**Dec 2022 − Feb 2023**
Student Trainee / Intern	*Bangalore*

- App Development - Fraud Protection System
- Developed a Fraud Protection System as a mobile application to detect and prevent fraudulent activities in financial transactions.

Projects

AI Based Tic-Tac-Toe using min-max algorithm | *C++*
- Implemented functions to check for game state, including win conditions and a draw scenario.
- Developed a function to calculate the optimal move for the AI player using the Minimax algorithm.
- Employed a random selection to determine whether the human or AI player makes the first move.
- Utilized the Minimax algorithm, a decision-making algorithm for two-player games, to create an unbeatable AI opponent.

Fraud Protection System - App | *Kotlin • DSA*
- Developed a Fraud Protection System as a mobile application to detect and prevent fraudulent activities in financial transactions.
- The project highlights the importance of leveraging advanced technologies, such as machine learning and Artificial intelligence, to combat fraud in the digital era.
- App is designed to detect and avoid any fraud by checking for OTP messages while an individual is on a phone call.
- App is mainly focused on individuals not having appropriate knowledge of Online Fraud.

Hospital Management System - Website | *Python • Flask • Framework*
- Designed a comprehensive Hospital Management System (HMS) to streamline administrative and clinical processes in healthcare facilities. Developed a user-friendly web-based interface to allow easy access for doctors, nurses, administrative staff, and patients.
- Patients don't have to carry documents, All the Medical records will be securely stored and can be viewed if another the doctor/Hospital needs the data.

COURSES — CERTIFICATION

xCS50 — Edx - verified Certificates
Harvard University (ONLINE)
- Harvard University's Introduction to the intellectual enterprises of computer science and the Art of Programming.

Google IT Automation with Python Professional — Completion Certificate
Coursera
- Crash Course on Python — Using Python to interact with the Operating System
- Configuration Management and the Cloud — Introduction to Git and GitHub
- Automating Real-World Tasks with Python — Troubleshooting and Debugging Techniques

Google Data Analysis — Completion Certificate
Coursera
- Google Foundations: Data, Data, Everywhere
- Ask Questions to Make Data-Driven Decisions