Omkar Mahendra Kharat

B.E. Computer Science

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Course	College/University	Year	CGPA/%
B.E. Computer Science	Nmiet,SPPU	2020-2024	8.89
12th std	St'Anns Jr College	2019-2020	60.77
10th std	St'Anns School	2017-2018	88.40

SKILLS & INTERESTS

- **Programming Languages**: Java,SQL
- **Web Technologies**: HTML,CSS,JAVASCRIPT
- **Tools**: Visual Studio Code,Eclipse,GitHub,Google Cloud Platform
- **Interests**: Web Development,Machine Learning
- **Statement**: I Like to analyse,solve problems and want to acquire more and more knowledge to solve real world problems. Currently learning to develop web applications. Practicing Data Structures and Algorithms and exploring Competitive Programming.

COURSEWORK

- **Engineering Courses**:Object Oriented Programming,Data Structures and Algorithms,Database Management,Computer Networking and Security,Software Management System,Cloud Computing,Web Development,Machine Learning,Artificial Intelligence,Cyber Security

WORK EXPERIENCE

- **Intern | Dexcel Digital Hub Pvt.ltd** [December'2022-February'2023]
  - In this Internship I have worked on fuel delivery web project using Technologies like HTML and CSS for Frontend and JAVASCRIPT for Backend under team leader's guidance.
  - Fuel Delivery web project is an interactive platform between customers and fuel providers for online order and delivery of fuel

PROJECTS

- **Sign Language Recognition** | Python, LSTM, MediaPipe, Streamlit, Jupyter Notebook ,VS Code [July 2023 - April 2024]
  - Designed and implemented sophisticated Long Short-Term Memory (LSTM) networks for accurate and real-time sign language recognition, leveraging state-of-the-art machine learning techniques.
  - Incorporated MediaPipe Holistic for precise hand and body pose estimation, enhancing the project's computer vision capabilities and ensuring robust sign language gesture detection.
  - Translated recognized gestures into Marathi using Google Translate API and Pillow library, expanding the system's accessibility and supporting multilingual communication.

- **E commerce website** | React, Express, Nodejs, MongoDb [April'2023-March'2023]
  - Implemented features like product search, pagination, and sorting for an enhanced user experience
  - Express server to handle API requests. Define routes for fetching product data, user authentication, and cart management.
  - MongoDB to store product details, user profiles, and shopping cart data.

- **Medical website** | Machine Learning Algoritms,Flask,HTML,CSS,JAVASCRIPT [April'2023-March'2023]
  - Displays predicted probability of diseases (e.g., Diabetes, Heart issues, Parkinson's, Liver conditions,) based on the provided data
  - Provides online prescription and health status

Achievements

- **Technical Achievements**: Published Research paper on Sign Language Recognition and Translation to English and Marathi, Completed Java and Web development Courses,Submitted multiple papers for copyright,Participated in multiple online contests,Active on programming platforms.