SAMARTH BHANDAVALE

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EDUCATION

VIDYALANKAR INSTITUION OF TECHNOLOGY
Bachelor of Technology, Computer Engineering

Mumbai, India
2022-Present

- ❖ **Coursework**: Data Structure, Analysis of Algorithm, Data Mining, Object-Oriented Programming, Operating Systems
- ❖ **Cumulative** GPA: 9.84/10 (till 4ʳᵈ Semester)

SKILLS

- ❖ **Programming Languages**: Python, JavaScript, TypeScript, Go, Java
- ❖ **Development**: React, Django, Flask, NodeJS, ExpressJS, Django Rest Framework
- ❖ **Databases**: SQL (MySQL, PostgreSQL), NoSQL (MongoDB)
- ❖ **Libraries**: NumPy, Pandas, Matplotlib, Scikit-Learn, TensorFlow
- ❖ **UI/UX Tools**: Figma

EXPERIENCE

TOPCLUB, LLP
Software Developer – Web

New Jersey, USA
2023-Present

- ❖ **Developed the frontend** with React.js and SCSS, creating a dynamic and user-friendly interface that incorporated creative UX solutions, leading to a significant improvement in user engagement and satisfaction.
- ❖ **Designed and implemented** scalable backend services in Node.js, delivering a resilient server-side architecture with fortified APIs to ensure high performance and security.
- ❖ **Integrated real-time player data** through Rapid API, enhancing app functionality and user experience by seamlessly incorporating cutting-edge third-party services.

PROJECTS

CODESPACE
Web Development

CodeSpace is a competitive coding platform where users can challenge friends or random opponents to one-on-one programming battles.

- ❖ **Developed** with a TypeScript-powered backend and React for the frontend, ensuring a robust and scalable full-stack application.
- ❖ **Integrated Socket.IO** to establish real-time, two-way communication between users on the network, enabling seamless interactions. Socket communication was carefully managed by binding to a specific port number for efficient data routing at the TCP layer.
- ❖ **Utilized MongoDB** as the database for handling user data and application state, ensuring efficient storage and retrieval with scalable performance.
- ❖ **Designed a visually appealing UI** in Figma, focusing on an intuitive user experience that enhances usability and engagement across the platform.

Weather Forecasting and Housing price predication
Machine Learning

- ❖ Utilizing **NumPy**, **Pandas**, **Matplotlib**, and **Scikit-learn**, I implemented weather forecasting and housing price prediction models, showcasing practical expertise in data manipulation, visualization, and machine learning algorithms.