

SHUBHAM SONAWANE

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EDUCATION

K J Somaiya College of Engineering, Mumbai

M.Tech in Computer Engineering

Aug 2023 - Aug 2025

GPA: 8.08

D Y Patil School of Engineering, Pune

B.E in Computer Science Engineering

June 2019 - July 2023

GPA: 7.79

TECHNICAL SKILLS

Languages: C++, JavaScript, Java, Python

Web Development: HTML, CSS, React.js, Angular, Node.js, Express.js, Tailwind CSS, Azure, Docker

Databases, Tools & Platforms: MySQL, MongoDB, Git, GitHub, Linux, Postman, Streamlit, Flask, REST APIs

COURSEWORK / SKILLS

- Operating Systems

- Computer Network

- Object-Oriented Programming

- Cloud Computing

- Data Structures & Algorithms

- Database Management System

INTERNSHIP

Virtucrop Private Limited

Web Development Intern

Aug 2024 – Nov 2024

Pune, India

- Collaborated with the Creative Operations Team to design and develop responsive, user-friendly web interfaces using HTML5, CSS3, and JavaScript.
- Built and maintained interactive UI components with React.js and Tailwind CSS, ensuring cross-browser compatibility and performance optimization.
- Integrated RESTful APIs to streamline front-back communication and improve data flow efficiency.
- Worked with senior developers to enhance project scalability and maintainability using modern frameworks and version control (Git/GitHub).

PROJECTS

AI Legal Documentation Assistant | Python, Streamlit, LangChain, OpenAI

2025

- Developed an NLP-powered assistant capable of processing 1,500+ pages per minute, reducing legal document review time by 35%.
- Implemented a Meta-Llama-3.1 based retriever-Q&A system, enabling real-time, query-driven document search with high accuracy.
- Enhanced the system with AI-based summarization, semantic search, and dynamic response generation for legal text.

Real Time Collaborative Text Editor | React, Node.js, WebSockets

2025

- Developed a collaborative text editing platform supporting 100+ concurrent users with sub-100ms synchronization latency using operational transform algorithms.
- Integrated OAuth 2.0 authentication to ensure secure login and compliance with data privacy standards.
- Optimized backend workflows for high availability and scalability, improving reliability and user experience.

AI-Powered Personalized Learning Platform | React, Node.js, TensorFlow.js

2025

- Developed an AI-driven adaptive learning system that increased course completion rates by 22% and reduced learner drop-off rates significantly.
- Built interactive dashboards & collaboration tools to improve engagement, increasing user retention by 18%.
- Implemented TensorFlow.js models for low-latency and privacy-compliant personalization.

ACHIEVEMENTS & EXTRACURRICULAR

Solved 250+ LeetCode problems in a 50+ day streak, improving skills in data structures and algorithms.

Published research on "AI Legal Documentation Assistant" in an international conference.

Published research on "Diabetes Prediction using Data Mining Techniques" focusing on healthcare analytics.

Football player – demonstrated teamwork, discipline, and leadership.

CERTIFICATES

Building a Complete MEAN Stack Application (Coursera)

[View Certificate](#)

Learning Java 11 - Certification Course - Certification Course (LinkedIn)

[View Certificate](#)

Programming for Everybody (Started with Python) (Coursera)

[View Certificate](#)