

# SUJAL KAMBLE

Pune, Maharashtra

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## EDUCATION

**Pimpri Chinchwad College of Engineering**  
*B.Tech - Information Technology - CGPA - 7.56*

**2022 – 2026**  
*Pune, Maharashtra*

## EXPERIENCE

**AI-ML Virtual Internship** | AICTE-Eduskills

**January - March 2025**  
*Online*

- Completed a 10-week machine learning program, deploying 6+ models using AWS SageMaker, improving model accuracy by up to 30% through hyperparameter tuning and evaluation techniques. Applied AWS tools (Rekognition, Comprehend, Lex) in 5+ real-world projects, automating tasks like image classification, sentiment analysis, and chatbot interactions.
- Accelerated model deployment speed by 40% using SageMaker pipelines and AWS Cloud9, while ensuring 100% reproducibility and security.

## PROJECTS

**Uber-IT (Ride-Sharing Platform)** | Node.js, React, Microservices, JWT, GoogleMaps API **Ongoing**

- Built a ride-booking app with 95% Uber feature parity using the MERN stack.
- Reduced API response time by 40% via optimized Express.js logic and MongoDB queries.
- Designed a responsive UI with React + Tailwind CSS, achieving 92% mobile usability in Lighthouse.
- Implemented JWT auth and role-based access control, blocking 100% unauthorized access in tests.
- Used Google Maps API for route rendering, cutting ETA prediction errors by 45%.

**Co2Predict : Emissions Dashboard** | Python, Scikit-learn, Pandas, NumPy, Matplotlib **April 2025**

- Built a full-stack web app to visualize and forecast CO emissions using TensorFlow-based ML models, achieving 85–92% accuracy (RMSE, MAE).
- Preprocessed 150K+ records across 50+ countries using Pandas and NumPy.
- Visualized 100+ years of emissions data by country/sector via interactive charts and filters.
- Integrated a FastAPI backend with a React + TypeScript frontend for real-time predictions and a smooth UX.

**Doubt Solver – Doubt Management System** | React, TypeScript, Vite, Responsive Design **Jan 2025**

- Designed and built a scalable platform using React, TypeScript, and Vite, covering 100% of core functionality.
- Engineered full workflows for submitting, editing, deleting, and resolving doubts, reducing manual query time by 73%.
- Developed a clean, role-based UI with category-wise filtering and real-time status tracking, improving navigation efficiency by 52%.

## TECHNICAL SKILLS

**Languages:** C/C++, Python, JavaScript, SQL, HTML5, CSS3.

**Libraries/Frameworks:** ReactJs, TensorFlow, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn

**Technologies/Developer Tools:** Javascript, MongoDB, Express, ReactJs, Tailwind CSS, Nodejs, Git, Github, VS Code, Relational Database(mysql), PyCharm, IntelliJ, Canva, Bootstrap

## ACHIEVEMENTS AND EXTRACURRICULAR

- Selected among top 3 teams from college for **Smart India Hackathon (SIH)**.
- Paper accepted at **ICACS 2025** on “Intelligent Path Planning for Autonomous Farming” using **A\* algorithm**.
- Solved **250+ DSA problems** across platforms like LeetCode, GFG and earned **5Star Coder** on HackerRank.
- Secretary at **Microsoft Learn Student Chapter, PCCoE – Led BlueBit Hackathon** with 650+ participants, boosting tech engagement by 30%.

## CERTIFICATIONS

- JavaScript – HackerRank
- Java
- AWS Academy Machine Learning Foundations
- Data Science & Analytics - HP LIFE
- Google AI Essentials - Coursera
- Mastering Data Structure and Algorithms - Udemy
- AWS Academy Cloud Foundations
- Agile Project Management - HP LIFE