

# PRAVIN MORABAGI

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Computer Engineering graduate with experience building full-stack applications using the **MERN stack**. Developed and deployed 3+ responsive web apps, integrated REST APIs, and applied OOP and DSA concepts to improve code structure and performance.

## PROJECTS

### CODEINSIGHT

December 2024 – March 2025

- Built a code execution and visualization platform using React.js, TypeScript, and Tailwind CSS as part of a project used by over 10 students for testing and learning.
- Connected the platform with Judgeo API to allow users to run C++ code and view outputs directly in the browser.
- Created graph visualizations for Prim's and Kruskal's algorithms, which helped improve user understanding by around 60% based on feedback from peers.
- Took initiative in planning core features and coordinating with peers to ensure timely development and smooth integration of all components.
- **Technologies Used:** HTML5, CSS3, React.js, TypeScript, Tailwind CSS, Node.js, Judgeo API

### Forecast Pro

October 2024 – December 2024

- Developed a weather app with search and forecast features for 3 cities, displaying hourly and daily weather data.
- Integrated OpenWeather API for real-time weather, 24h & 7-day forecasts, and key metrics.
- Optimized responsiveness for a 100% seamless experience across mobile and desktop devices.
- **Technologies Used:** HTML5, CSS3, Tailwind CSS, React.js, Open Weather API

### Project LifeLine: AI-Driven Suicide Prevention

June 2024 – July 2024

- Developed a machine learning pipeline to detect suicide-related posts on Reddit and Twitter, achieving 96% accuracy with Random Forest using Bag of Words and TF-IDF vectorization.
- Improved model efficiency by 20% through hyperparameter tuning and custom stopwords removal.
- Achieved 97% accuracy with a Multilayer Bidirectional LSTM and GloVe embeddings classification.
- **Technologies Used:** Python, NLTK, SpaCy, TF-IDF

## TECHNICAL SKILLS

**Languages:** C++, JavaScript, TypeScript, Python, SQL  
**Frameworks & Libraries:** ReactJS, Node.js, Express.js  
**Databases:** MongoDB, MySQL  
**Concepts:** Data Structures & Algorithms, OOP, DBMS  
**Tools & Platforms:** Git, GitHub, CI/CD, REST APIs

## EDUCATION

### SAVITRIBAI PHULE PUNE UNIVERSITY

BE in Computer Engineering, **CGPA: 8.18**

Pune, MH  
July 2021 – May 2025

### RBP JUNIOR COLLEGE SANKH

Maharashtra Board – Intermediate Science, **Grade: 85%**

Sangli, MH  
June 2020 – March 2021

### SCOPE JALIHAI BK

Maharashtra Board, 10<sup>th</sup>, **Grade: 82%**

Sangli, MH  
June 2018 – March 2019

## EXTRACURRICULAR ACTIVITIES

- **Innovation Cell Member:** Assisted in 10+ student projects with planning, coordination, and technical support.
- **Sports Cell Contributor:** Helped plan and manage 3+ sports events, taking responsibility for equipment setup and event logistics.