

PRAVIN MORABAGI

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I am a Computer Engineering student skilled in **C++, Java, JavaScript, React.js, SQL** and **Python**. Experienced in **full-stack development**, building scalable web apps, integrating **RESTful APIs**, and optimizing performance for real-time systems.

PROJECTS

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 stopword removal.
- Achieved 97% accuracy with a Multilayer Bidirectional **LSTM** and **GloVe embeddings** classification.
- Technologies Used:** Python, NLTK, SpaCy, TF-IDF

CODEINSIGHT 🔗

December 2024 – May 2025

- Built an interactive code **execution and visualization** platform using React.js, TypeScript, and Tailwind CSS.
- Integrated **Judgeo API** to enable real-time C++ code execution and output rendering.
- Developed dynamic graph visualizations for **Prim's and Kruskal's** algorithms, improving concept clarity by 60%.
- Technologies Used:** React.js, TypeScript, Tailwind CSS, Node.js, Express.js, Judgeo API

Forecast Pro 🌤️

October 2024 – January 2025

- Built a weather application using **React.js** and **Tailwind CSS** to provide **real-time weather updates**.
- 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, Open Weather API, React.js

TECHNICAL SKILLS

Languages: C++, Java, Python, JavaScript, SQL, HTML/CSS

Concepts: Data Structures & Algorithms, OOPS, DBMS, Operating Systems

Development & Tools: NodeJS, MySQL, ReactJS, GitHub, CI/CD, Power BI

Soft Skills: Communication skills, Teamwork, Empathy, Detail-Oriented, Adaptability

EDUCATION

SAVITRIBAI PHULE PUNE UNIVERSITY

BE in Computer Engineering, **CGPA: 8.19**

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, 10th, **Grade: 82%**

Sangli, MH

June 2018 – March 2019

EXTRACURRICULAR ACTIVITIES

- Member, Innovation Cell:** Managed projects, increasing participation by 30% and ensuring on-time delivery.
- Volunteer, College Functions:** Assisted in organizing college events, boosting attendance by 15% and streamlining event logistics.
- Contributor, Sports Cell:** Assisted in planning and executing sports events.

CERTIFICATES

- Full Stack Crash Course** by PROPER DOT INSTITUTE – Udemy
- Web Design for Web Developers** by Jonas Schmedtmann - Udemy