

PRAVIN MORABAGI

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EDUCATION

SAVITRIBAI PHULE PUNE UNIVERSITY

July 2021 - May 2025

BE in Computer Engineering , **CGPA: 8.45**

RBP JUNIOR COLLEGE SANKH

June 2020 - March 2021

HSC - PCMB, **Grade: 85%**

SCOPE JALIHAI BK

June 2018 - March 2019

SSC, **Grade: 82%**

TECHNICAL SKILLS

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

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

Development & Tools: NodeJS, MySQL, ReactJS, PHP ,GitHub

PROJECTS

Project LifeLine : AI-Driven Suicide Prevention

June 2024 - July 2024

- Developed and implemented a machine learning pipeline to detect suicide-related posts on Reddit and Twitter, achieving a 96% accuracy with Random Forest Classifier using Bag of Words and TF-IDF vectorization.
- Optimized model parameters via grid search CV and performed text cleaning with custom stopword removal.
- Achieved 97% accuracy using a Multilayer -Bidirec LSTM with GloVe embeddings for enhanced text classification.
- Technologies Used: **Python, NLTK, SpaCy ,TF -IDF**

GRADERX

May 2024 - July 2024

- Developed a system to compile and grade large volumes of student submissions across multiple languages instantly, eliminating the need for manual unit tests.
- Saved professors significant time, increased grading accuracy by 40%, and reduced manpower and resource overhead, optimizing efficiency and reliability.
- Technologies Used: **HTML, CSS, JavaScript, Node.js, React.js, Express.js ,Python**

Seminar Application Tracking Sytem

May 2024 - July 2024

- Led the development of a web portal for seminar application submission and tracking.
- Optimized the application review process, resulting in a 50% reduction in approval time, Integrated user feedback to continuously improve the system functionality.
- Technologies Used: **HTML, CSS, PHP, JavaScript, MySQL**