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ACADEMIC QUALIFICATION

Pursuing **Bachelor of Engineering** in **Computer Engineering**, from Dr. D. Y. Patil Institute of Technology, Pimpri, Pune (Savitribai Phule Pune University).
Nov' 21 – Present.   CGPA: 9.45 / 10

INTERNSHIPS

ML Intern, Suvidha Foundation, Pune   *Aug'23- Sep'23*
- Used Python For Development For the ML models Libraries
- Used were SciKitLearn, Matplotlib, Pandas, NLTK
- Applied concepts of Data cleaning, Feature Engineering and NLP
- Developed a text summariser, which summarised huge news articles

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PROJECTS

Project Title: Students Complaint System   *Feb'2023 – May'2023*
Team size: 4
Objective: This project was developed to speed up the process of complaint resolution in an online mode
Summary: The website is built using HTML, CSS and EJS for frontend, NodeJs, ExpressJs as Backend and MongoDB for database. It had 2 user roles as Student and Admin, where the student can register the complaint and admin can resolve it.
Individual Role: Responsible for the development of Backend server and integration of database with the server.

Project Title: Portfolio   *Sep'2023- Oct'2023*
Team size: 1
Objective: This website showcases my projects, skills, and qualifications, offering an organized and accessible platform for prospective employers or collaborators to view my work.
Summary: Built a fully responsive portfolio website using HTML, CSS, JavaScript, and Appscript. Integration of an enquiry form to make contact with me.
Individual Role: Responsible for the development of the entire project.

Project Title: Diabetes Predictor (Using SVM)   *Jul'2023-Aug'23*
Team size: 1
Objective: Developed a comprehensive Diabetes Predictor for women using Support Vector Machine (SVM) to classify and predict the likelihood of diabetes based on key health metrics such as glucose levels, BMI, and age.
Summary: The model was fine-tuned to achieve high accuracy, enhancing early detection and intervention for better health outcomes. Integrated effective data preprocessing techniques to ensure reliable predictions and improve the overall model performance.
Individual Role: Solely responsible for the end-to-end ML model, including data collection, preprocessing, model selection, training and evaluation.

Project Title: Fake News Detection (Using Logistic Regression)   *Oct'2023*
Team size: 1
Objective: Developed a robust Fake News Detection system using Logistic Regression to classify news articles as real or fake based on linguistic features and content patterns
Summary: Applied data preprocessing techniques like tokenization and vectorization to prepare the dataset for accurate classification. Optimized the model to achieve high precision and recall,
Individual Role: Solely responsible for the end-to-end ML model, including data collection, preprocessing, model selection, training and evaluation

Title: Farmify   *Feb'2024*
Team size: 4
Objective: Developed a Smart AI-based solution for farmers to predict plant leaf diseases using deep learning and large language models.
Summary: Leveraged image processing techniques to analyze leaf images and detect diseases with high accuracy. Integrated a large language model to provide farmers with actionable insights and detailed disease descriptions in a user-friendly manner. This solution empowers farmers to take timely preventive measures, improving crop health and yield.
Individual Role: Responsible for training the model and conducted rigorous model evaluation and validation, ensuring the model met target performance metrics.

AWARDS & ACHIEVEMENTS

- Secured Department Rank 2 in Second Year in the Department of Computer Engineering and was awarded Academic Excellence Award in the year 2023.
- Secured Department rank 3 in Third Year in the Department of Computer Engineering.
- Actively contributed to open-source projects such as ACES Snippets on platforms such as GitHub, collaborating in teams to enhance quality of education and resolve issues throughout the month of October and November in 2023
- College level Smart India Hackathon Qualifier November 2023
- Runner up at CodeCraft Coding Competition, among a 100 students

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PRESENTATIONS

- Presented seminar on Introduction to Quantum Computing , as a part of Seminar towards fulfilment of degree in December 2023 at the Dr. D. Y. Patil Institute of Technology.
- Presented a poster on "Solaris: Deep Learning Based Model for prediction of solar power yield On rooftop using aerial imagery." as part of the Internal Avishkar 2024 Research Project Competition

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TECHNICAL SKILLS
- Languages: C, Java, C++, Python, Javascript
- Web Technologies: HTML5, CSS3, PHP, Bootstrap, ExpressJs, Nodejs, ReactJs, Tailwind
- Database: MySQL, MongoDB,
- Others: Operating Systems ,Machine Learning, NLP, Feature Extraction, Data Analysis, Computer Networking, Deep Learning, Data Structures, Algorithms

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EXTRACURRICULAR ACTIVITIES

- Senior Event Manager at the Association for Computer Engineering Students (ACES) for the tenure 2023-2024 where , organised numerous events such as Hacktoberfest, Student orientation and Farewell throughout the tenure.
- Event Head for "Acunetix," which is the largest technical fest which comprises of various events such as coding competitions and treasure hunts at college. Responsible, for steady flow of the event, work delegation, crowd control, scheduling etc. The event was conducted in Feb'2024
- Volunteer at Yuva Maharashtra, an organization dedicated to community service and cultural heritage preservation. The volunteer work included cleanliness drives at many forts in Maharashtra, blood donation camps, visiting orphanages for donations and organization of plays for promoting the local culture.
- Led the Hacktoberfest (an online virtual event where Open Source contributions are promoted among fellow developers) fostering collaboration among over 40 contributors in the department