

PRAJJWAL VISHWAKARMA

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[LinkedIn](#) | [GitHub](#)

EDUCATION

Vidyavardhini's College of Engineering and Technology (University of Mumbai) <ul style="list-style-type: none">BE in Computer Science and Engineering (Data Science) with Honours in AI&ML CGPI: 8.92	July 2020 - May 2024
T. P. Bhatia Junior College of Science (HSC Board) <ul style="list-style-type: none">State Board (Class XII) with Computer Science Percentage: 75.8%	July 2019 - April 2020
St. Sebastian's English High School (SSC Board) <ul style="list-style-type: none">State Board (Class X) Percentage: 88.20%	July 2017 – April 2018

EXPERIENCE

QSpiders – PySpiders <ul style="list-style-type: none">Gaining expertise in Python Full Stack development with practical experience in frontend and backend projects.Focused on building dynamic web applications using Python, Django, and modern web frameworks.	June 2024 - Present
Data Science - Link <ul style="list-style-type: none">Analyzed diverse datasets during an internship with MMRDA to deepen understanding of Machine Learning theories and concepts, applying insights to optimize models and predict trends accurately.	June 2022 - July 2022
Team Airnova - Link <ul style="list-style-type: none">Orchestrated the transformation of the Propulsion division, leading Team Airnova as Vice-Captain at VCET; innovated and manufactured diverse drones and aircraft, driving technical advancements and fostering industry-leading expertise.Worked on Gesture Control Drone (GCD) and Garuda Aircraft.	April 2022 - Jan 2024

ACADEMIC PROJECTS

VisioBlend-Sketch Guided Diffusion for Realistic Image Generation (Diffusion, U-Net) - Link <ul style="list-style-type: none">Spearheaded the creation of VisioBlend, a revolutionary image synthesis framework that achieved state-of-the-art results in fidelity, realism, and color control. Enhanced user experience with intuitive sketch and stroke input functionalities.
Autopilot- An Advanced Perception, Localization and Path Planning Techniques for Autonomous Vehicles using YOLOv7 and MiDaS (Python, YOLOv7, MiDAS) - Link <ul style="list-style-type: none">Project leveraging advanced technologies such as YOLO for object detection, MiDAS for depth sensing and localization, and sophisticated decision-making algorithms for path planning.This initiative significantly contributes to the evolution of Self-Driving Cars, showcasing expertise in computer vision, sensor fusion, and autonomous systems."
Emotion Based Music and Video Recommendation System (Python, Flask, CNN, HTML, CSS) - Link <ul style="list-style-type: none">Developed a user-centric system for recommending music and videos based on real-time mood detection. Implemented facial recognition technology using webcam input to detect six types of expressions.This project demonstrates strong skills in machine learning, computer vision, and user experience design.

SKILLS

Languages: Python, C++, Java, Django

Web Development: HTML, CSS, JavaScript

Database: MySQL, Oracle SQL

Tools: Git, VSCode, Jupyter

Competencies: SDLC, Software Developer, Web Developer, Data Science, Data Analysis, AI&ML, SQL Developer.

ACHIEVEMENTS and CERTIFICATIONS

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- Certifications in 'What is Data Science?' and 'Tools of Data Science' on Coursera. - [Link](#)
 - Authored an **IEEE** paper on **AUTOPILOT**. - [Link](#)
 - Authored an **arXiv** paper on **VisioBlend**. - [Link](#)
 - Achieved 1st place** at Oscillations'23 and Oscillation'24 Technical Paper Presentation. - [Link](#)
 - 1st prize winner** at VCET's National level Project showcase 2023 and 2024. - [Link](#)
 - Best Design Report** in SkyDive during the Aerophilia 2022. - [Link](#)