

Prajwal R. Tulawe

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🌐 <https://portfolio-prajwaltulawe.vercel.app/>    /prajwaltulawe

ACADEMIC DETAILS

- **Bachelor of Engineering in Information Technology (SPPU)**

International Institute of Information Technology, Hinjawadi

--Pursing

- **Diploma in Information Technology (MSBTE)**

Pimpri- Chinchwad Polytechnic, Akurdi

Percentage : 89.94%

-- 2018 – 2021

EXPERIENCE

- **SOCIANTE PVT. LTD**

--Sep 2023 – Apr 2024

Software Developer Intern

Pune, Hybrid

- Lead **backend development** for an Automatic Number Plate Recognition (**ANPR**) **system**.
- Created an **API Gateway** which support **request source authentication** using **JWT** authentication, along with request validation and **API routing**.
- Implemented **watcher service** for image processing of live images received via **SFTP server**.
- Used **MongoDB** for database management along with **PyMongo** for data operations. Additionally, **designed the database structure** with optimal organization of record attributes.
- Developed **REST APIs** for various services including **integration of machine learning models**.
- **Designed an algorithm** that resolved OCR result ambiguity, **increasing success by 24.43%**.
- **Modified and enhanced** an **open-source annotation tool** to meet project requirements and **contributed improvements back** to the open-source community.
- Contributed to team efforts in development of ML models and frontend of application.

- **Fiverr and local clientele**

--Nov 2021 – Aug 2023

Freelancer- Web Developer, and Graphic Designer

Pune, Remote

- Provided solutions for clients across India, Australia, Canada, United States, Spain, Germany, and Netherland, catering to a **global clientele** with customized **web and graphic solutions**.
- Maintained an overall **5/5 star rating** in fields such as Communication with Buyer, Service as Described, Buy Again or Recommend.

PROGRAMMING LANGUAGES AND TECHNOLOGIES

Languages : JavaScript, TypeScript, PHP, Python HTML, CSS

Library : REACT.js, Puppeteer, Socket.io

Runtime Env. : Node.js

Framework : Laravel, Express.js, Pug, Flask

Database : SQL/ MySQL, Mongo DB

PROJECTS

- **ImgLab ↗**

--Open Source Contributor

Developed a function that **enhanced ImgLab**, an open-source browser-based image annotation tool having **72,000+ yearly users** to **export labeled data into YOLO format** which optimized its compatibility and ease of use in ML applications.

- **My Personal Manual ↗** | Php, Sql, JavaScript, HTML, CSS, Bootstrap.

--Client (Netherland)

Created a web application that generates **customized downloadable PDF report** based on the answers provided by user. Collects response data of questionnaires along with regional coordinates for further analyzing psychology users from different regions

--P.T.O

- **CropBid** ➤ | JavaScript, Php, Sql, HTML, CSS.
CropBid is an online **web based application**, developed to **reduce the exploitation of farmer** by allowing them to **receive best price quotation** for their harvest by increasing their network and **connecting them globally through our platform**. It is inspired on the **concept of betting** but in the favor of **farmer to maximize profit**.
- **Student Career Suggestion** ➤ | Python (flask), Php, Javascript, Bootstrap --Client (India)
It is a microservice application. The intuitive career system uses **student responses** to a set of questions. It leverages **existing student data** to map personal interests to careers and **uses machine learning algorithms** to process new inputs and provide **results based on prior data analysis**.
- **Mediafire BOT** ➤ | Puppeteer, Node.js, JavaScript, HTML
Mediafire is an online cloud service provider in which if a **regular user** needs to download all files from a folder, they **needs to face several popups and continue a looping process**. This bot is made to **escape from this situation as it automates the process**.
- **PI2IT2** ➤ | MERN Stack (HTML, CSS, JavaScript, Bootstrap, React, Node.js, MongoDB).
Pi2it2 is an **online web application** specifically designed for students of I2IT to **share assignment link** of **specific practices** that can be **used as reference** by other students. It has a **like and dislike function** to **rank best assignments** at the top. Scalability of application is maintained using REST Api's.
- **Quotation Generator** ➤ | HTML, CSS, JavaScript.
Quotation Generator is a **free online web application designed** for creating quotations in **PDF format**, currently **used by** small and medium scale enterprises, freelancers and service providers for **providing quotations to their clients** and **personally designed one** for a medium scale service provider for his daily business.
- **Ecommerce Admin panel** ➤ | Laravel (php), Sql, JavaScript, Bootstrap, HTML, CSS.
E-commerce admin panel is a powerful web app **built on Laravel (PHP)**, empowering admins with robust **eCommerce functionalities**. **Manage products, orders, and inventory effortlessly**, with the **MVC architecture**, ensuring seamless performance, task management and **scalability of online store**.
- **Chat Application** ➤ | Socket.io, Node.js, , JavaScript, HTML, CSS.
Chat application is a **user-friendly, real-time communication platform** for individuals. It allows users to **exchange messages and engage in group conversation**. With its **simple interface** and **easy connectivity**, the application enables instant and convenient communication **across various devices**.

CERTIFICATIONS -----

- **Web3 Dev. Bootcamp** by **Alchemy University** – Pursuing
- **Certificate of Participation** by **Hack The Mountain 3.0** ➤ Aug 2022
- **CEFR B2** in test of **English Proficiency** by **BRITISH COUNCIL** ➤ – Jun 2020 21
- Certificate of **soft skill training** organized by **Global Talent Track** ➤ – 26th Oct 2021

PAPER PUBLISHED -----

Prajwal Tulawe, Krish Sharma, Pranav Wakhare, Yash Bhalerao, Prof. T.R.Shinde: "Biometric based motorbike ignition starter using Arduino" - International Research Journal of Modernization in Engineering Technology and Science, e-ISSN: 2582-5208, Volume:03/Issue:02/February-2021, Impact Factor-5.354. ➤