PRAJWAL R. TULAWE

/prajwaltulawe

✉ tulaweprajwal@gmail.com 📞 +91 9890686713 🌐 prajwaltulawe.vercel.app

ACADEMIC DETAILS

Engineering in Information Technology (SPPU)   **SGPA - 8.45**
- International Institute of Information Technology, Hinjawadi   2021-2024

Diploma in Information Technology (MSBTE)   **89.94%**
- Pimpri- Chinchwad Polytechnic, Akurdi   2018-2021

EXPERIENCE

SOCIANTE PVT. LTD.   Sep 2023 – Apr 2024
Software Developer - Intern   Pune, Hybrid
- Lead **backend development** for an **ANPR system** processing over **10,000+** daily live images received through **SFTP server** using **watcher service** and web portal.
- Developed overall **REST API's** of application for various services including **integration of machine learning models** along with an **API Gateway** that does request source authentication and user verification using **JWT authentication** including **API routing.**
- **Designed and developed an algorithm** by analyzing and researching current output data, resolving ambiguities of OCR result and increasing success rate by **24.43%.**
- **Modified and enhanced** an **open-source annotation tool** to meet project requirements and **contributed improvements back** to the open-source community.

PROJECTS & OPEN SOURCE CONTRIBUTION

ImgLab ↗ | JavaScript/ JQuery, Riot.js, Bootstrap, SVG.js.   *– Open Source contribution*
- 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.

PI2IT2 ↗ | MERN Stack (HTML, CSS, JavaScript, Bootstrap, React, Node.js, MongoDB).
- Developed a **full stack online web application** for students of I2IT **to share assignment links** of specific practicals with functions such as **like/ dislike function** to **rank best assignments** at the top, **easy browsing of assignments** using categorized view, **CRUD** operations on posts.
- Implemented **JWT** for **user validation and session management**, integrated **Google OAuth** for user association validation with **Redis** used **Nodemailer** for secure, one-time password reset links.

ML Powered Organ Donation System↗ | NodeJS, Express.js, Ejs, MongoDB, Bootstrap, Python (flask)
- Designed a Statistics Dashboard and other **template pages using Ejs** along with **RESTful** web services using **Node.js** and **MongoDB** enabling users to add Patients and Donors data records.
- Developed **microservice architecture** to integrate **ML models** into application via **REST protocol.**

Student Career Suggestion ↗ | HTML, CSS, JavaScript, Python (flask), PHP
- Developed a **microservice application** that maps student interests to potential careers using **ML models** triggered using **AJAX call** to **Python api** utilizing **PHP & MySql for backend operations.**

Other Projects | Mediafire BOT, Quotation Generator, E-comm Admin panel, Chat Application.

PROGRAMMING LANGUAGES AND TECHNOLOGIES

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

Library : REACT.js, Puppeteer, Socket.io   **Runtime Environments** : Node.js

Framework : Laravel, Express.js, Pug, Flask   **Database** : SQL/ MySQL, MongoDB, Redis