Tushar Jadhav

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Professional Summary: A skilled Data and ML Professional with over 1.2 years of experience in developing machine learning models, backend systems, and full-stack applications. Expertise in Typescript, React, NestJs, and Machine Learning, with hands-on experience in managing databases like PostgreSQL, MySQL, OracleDB, and MongoDB. Proficient in creating visualisations with PowerBI, Tableau, Matplotlib, and Seaborn. Experienced in leading projects with complex data handling and real-time sensor data processing. Ready to contribute to a dynamic role and drive innovation in a collaborative environment.

EDUCATION

CDAC ACTS, Pune, INDIA   **2022-2022**
Post-Graduate Diploma| Major: Big Data Analytics| Overall: 74.13%

Government College of Engineering and Research, Pune, INDIA   **2016-2021**
Bachelor of Engineering| Major: Automobile | Overall: 64.68%

WORK EXPERIENCE

SmartReader, Pralhad P. Chhabria Research Center Pune   **June 2024 – Present**
Hofincons Infotech (ML Lead)
- Independently led the development of a machine-learning model to extract symbols and tag numbers from P&ID diagrams.
- Labelled the dataset, trained, and tested the model to ensure high accuracy in detecting symbols and tags.
- Successfully integrated the model into the company's ongoing projects, enhancing efficiency in P&ID diagram analysis.
- Automated symbol and tag number detection, significantly reducing manual effort and increasing project throughput.
- Skills Learnt: Machine Learning, Data Labeling, Model Training, Project Integration, P&ID Diagrams.

Asset Management System, Pralhad P.chhabria Research Center Pune   **Jul 2023 – Present**
Hofincons Infotech (Backend Lead)
- Executed backend CRUD operations for client management, ensuring efficient and organized client data handling.
- Orchestrated frontend and backend CRUD operations for user management, enhancing user experience and administrative efficiency.
- Implemented annotations for PDF and images in the document management system, similar to user management, improving document handling and review processes.
- Developed and optimised project schema, contributing to improved data organization and retrieval.
- Engineered proof of concept for two critical systems, showcasing innovative solutions and ensuring scalability.
Skills Learnt: React, System Architecture and Scalability, Database Optimization etc.

Society Management System, Pralhad P.chhabria Research Center Pune   **Jul 2023 – Jan 2024**
FountLab Solutions
- Implemented User Authentication & Authorizations system, enhancing the project's security and access controls.
- Developed the schema for the entire project, ensuring a structured and efficient database.
- Implemented seamless CRUD operations for Society entities on the backend, contributing to streamlined management of societies.
- Handled MQTT for efficient data handling between sensors, ensuring real-time data communication and processing.
- Engineered Report Generation functionality, providing insightful data insights for effective decision-making within the society management framework.
Skills Learnt: NestJs, PostgreSQL, Postman, Database Design, MQTT etc.

Leadership & Activity

Government College of Engineering and Research(Radiance Racing) **March 2018 – Feb 2020**

Team Leader
- Led a team of 25 members to design and build an ATV within a strict time limit and budget.
- Communicated project progress and updates to faculty advisors, sponsors, and other stakeholders.
- Managed project resources and budgets to ensure that the project was completed within constraints.
- Represented the team and college at national and international level events.

Skills Learnt: Project Management, Team Leadership, Time Management etc.

Skills & Interest

- **Programming Languages:** Typescript, Python, SQL, Advance Excel.
- **Technologies:** NestJs, React, Machine Learning.
- **Data Visualization:** PowerBI, Tableau, Matplotlib, Seaborn.
- **Databases:** PostgreSQL, MySQL, OracleDB, MongoDB.
- **Languages:** Marathi, Hindi and English.