JAY THADESHWAR

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Education

Dwarkadas J. Sanghvi College of Engineering   **CGPA 9.51/10**
B.Tech in Information Technology   *Jan 2021 – Present*

Shri Bhagubhai Mafatlal Polytechnic   **96.6%**
Diploma in Information Technology   *Sep 2017 – Sep 2020*

Experience

Frshr Technologies | *Application Developer*   **Nov 2021 – May 2022**
➢ Conceptualized client requirements and implemented health-fitness application leveraging **Scrum methodology;** reduced project time by **1-month**.
➢ Translated wireframes into responsive screens in **Flutter** and integrated various functionalities through API.

Psyber Incorporation | *Application Developer*   **Jun 2020 – Aug 2020**
➢ Designed and **developed UI screens** in Flutter, formulated API endpoint details and coordinated with backend team for creation and integration, minimizing development efforts.
➢ Created a referral system using deep links of **Branch.io** and **deployed** several apps on Google PlayStore.

IV Consultancy Services Pvt Ltd
Full Stack Developer   **Nov 2019 – Oct 2020**
➢ Conceived and devised a **CRM application** which manages, monitors, and tracks all **field resources** and generates statistical performance reports.
➢ Developed **REST API** adhering to MVC design pattern in **Spring Boot**, designed database schema in **PostgreSQL** and consumed API functionalities through **Flutter** application.   [Project link]
Web Developer   **May 2019 – Jun 2019**
➢ Implemented ticketing system engaging users throughout **ticket lifecycle**, saving support service time.
➢ Utilized **Spring**, **JSP** for server-side scripting, **Bootstrap** for frontend and **PostgreSQL** as a DBMS system.

Projects

Multilingual Education System Aid (MESA) | *ReactJS, Django, spaCy, MongoDB*   **Nov 2021 – May 2022**
➢ Devised framework for **vernacular medium students** to comprehend educational content in English MoI.
➢ Constructed web application enhances learners' **contextual understanding**, and **vocabulary knowledge** eventually **boosts speaking confidence** via real-life scenarios presented by interactive agent.
➢ Incorporated state-of-the-art **NLP models** and **algorithms**; winning solution in **Smart India Hackathon**.

Machine Learning Projects | *Python, Pandas, NumPy, Scikit-learn*   **Sep 2021 – Nov 2021**
➢ Predicted car price **preprocessing** CARS24 dataset, analyzing features through **Exploratory Data Analysis** and trained **Random forest** model by **hyperparameter tuning** using Randomized Search CV.
➢ Generated captions for images by training CNN LSTM model using features generated by the **VGG-16** model.

CDAC Virtual Labs | *ReactJS, Material UI*   **Jun 2021 – Sep 2021**
➢ Contributed to **Center for Development of Advanced Computing, India (CDAC)** by developing a **web app** for class 9th chemistry experiment consisting of a **virtual simulator** used by over ~5000 students/month.

ComePost | *Flutter, Java, Spring Boot, PostgreSQL, Google Maps*   **Jan 2020 – Jun 2020**
➢ Engineered a **cross-platform** application, reducing food wastage and innovatively helping farmers and compost makers, awarded **best social impact** in State Level Online Project Competition.
➢ Established key features of **internationalization** (2 languages), on-time notifications and geolocating users.

Technical Skills

Proficient: C, C++, Java(Core + Advanced), Javascript, PHP.   **Familiar:** Dart, Python, Node.js, AWS, Docker
Technologies/Frameworks: Spring Boot, ReactJS, Flutter, Django, Bootstrap, HTML/CSS, REST API.
Tools & Databases: Git, Github, Postman, MySQL, PostgreSQL, Firebase, MongoDB, Linux (Ubuntu), DSA.

Achievements

➢ Led winning team in Smart India Hackathon 2022 for a problem statement proposed by DRDO.
➢ Solved 350+ problems on **Leetcode** [1650+], **Codechef** [Highest rating: 1664, 3-star] and **HackerRank**.
➢ Best Social Impact in State level online project competition conducted by KJSP among 50 other teams.
➢ Conducted sessions for peers and juniors on OOPS concepts, Python libraries (Pandas & NumPy) and AI/ML.