TEJAS RANJITH

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SKILLS

- **Prgramming Languages** : Python(Pytorch, Tensorflow), ReactJS, HTML, JS
- **Frontend** : Flutter, CSS, Figma
- **Backend** : Firebase, MySQL, Supabase, Flask

EDUCATION

Secondary School – Sharjah Indian School (CBSE) , Sharjah, UAE   *April 2019 – Feb 2020*

Subject Group: **Maths Standard, Science, English, Social Science, French**
Percentile: **85.8%**

Higher Secondary School – Sharjah Indian School (CBSE) , Sharjah, UAE   *Jun 2021 – Apr 2022*

Subject Group: **Physics, Chemistry and Maths (PCM)**
Percentile: **77.4%**

Bachelor of Technology – Jyothi Engineering College, Kerala   *Aug 2022 – Mar 2026*

Course work: **Artificial Intelligence and Data Science**
CGPA: **6.95/10**

PROJECTS

Pokedex (Application)   [GitHub Link]

- Developed a **Flutter-based Pokedex app** featuring a catalog of 100 Pokémon with details and a built-in **image classifier** to identify 50 Pokémon.
- Achieved **60%** classification accuracy and evaluated overall app performance using a 2GB image dataset.
- Trained a **TensorFlow Lite model** on labeled Pokémon images and integrated it into the Flutter app with a structured database of Pokémon stats.

Smart Buddy (IoT device)   [GitHub Link]

- Built an interactive toy car that **follows humans**, **avoids obstacles** using computer vision, and engages in voice conversations using the **Gemini API**.
- Tested accuracy of **human tracking**, **obstacle avoidance**, and responsiveness of voice interaction with GPIO indicators.
- Used **Raspberry Pi 5**, L298N motor driver, camera, speaker, mic, and GPIO pins. Powered by three batteries for the wheels and a 3A power bank for the Raspberry Pi.

QR Scanner with Ticket Generation (Python Software)   [GitHub Link]

- Developed a **QR Code-based workshop management tool** capable of generating and scanning QR codes for participant tracking.
- Implemented modules for **QR code generation, scanning, and data logging** using Python and OpenCV.

Hosted Websites (ReactJS,HTML,Flask)

- Built and maintained a responsive web platform for the Artificial Intelligence and Data Science Association, enabling easy access to member information and event details. [AIDA Site]
- Designed and implemented a web platform for an idea pitching competition, integrating participant registration and a real-time event timer for automated start notifications. [IdeaIgnite Site]
- Built a hackathon website presenting a robotics-based solution aimed at automating the cleaning of railway tracks in India to promote efficiency and hygiene. [Railizard Site]

ACCOMPLISHMENTS

- **The Complete Python Bootcamp From Zero to Hero in Python** – Completed an 8-week certified course offered by **Jose Portilla** via Udemy.

- **Flutter Development Certification** – Completed a hands-on training program in mobile app development using Flutter. Created a **Social-media-like application for Recipes** with **Supabase** as the backend database.

- **First Prize at I.D.E.A 2025 – Intercollege Ideathon** – Secured First prize in the **Software Track** representing Team Spike_Up (Jyothi Engineering College). The event was organized by IEEE SB AJCE in collaboration with IEEE Young Professionals Kerala Section.

- **Resource Person at "Come & 'C"' Workshop** – Served as a resource person sharing technical knowledge during a 3-day workshop organized by the Department of Basic Science and Humanities at Jyothi Engineering College (January 2025).

- **Speaker at "Github & LeetCode" Session** – Served as the speaker for the session "GITHUB & LEETCODE: YOUR CODING POWER COMBO," organized by IEEE SIGHT AG JECC in collaboration with AIDA & IEEE SB JECC (August 2025).

- **30-Days Typing Challenge Completion** – Awarded a certificate of participation for successfully completing the "30-Days Typing Challenge" organized by **GTech μLearn** at Jyothi Engineering College.