Prajwal Raju P

LinkedIn GitHub Portfolio

Email: Prajwalrajup@gmail.com
Mobile: +91 9481309819

Experience

- **Ola Electric** — Bangalore, India
  Software Development Engineer (Backend) — Apr 2021 – Present
  - o Ola Electric is an eclectic two-wheeler manufacturing company based in Bangalore, India. (website)
    - Was also involved in building an app/website for **Purchase** services allowing users to make payments for the vehicle and allowing them to customize their vehicles which sold **1100 Rs crore (USD 144 million)** of scooters in a single day.
    - Was involved in building **Test Ride** services which allowed users to book an appointment for a ride of the vehicle and a slot management system for the technicians involved which is in operation in over 6 major cities in India and has been used by over **10T users**.
    - Built a **Dashboard** for agents to support customers with presales, vehicle registration, and post-sales services. Added multithreading enabling the bulk upload of user and vehicle details increasing efficiency by **33K%**.
    - Coordinated and set up a **Performance** environment along with De-ops to determine the performance of Purchase and companion app systems reducing the infrastructure cost by **30%** and finding bottlenecks in the system.

- **SIXINTERN** — Bangalore, India
  Full-stack Intern — Jan 2021 – Mar 2021
  - o Built and deployed a Server-side Rendering (SSR) website for the company Sixintern using **Next.js** framework for the front-end and **Firebase** as a back-end server. The website facilitates hiring and maintaining employees of the company. Increasing productivity by 25%.

Projects

- **Social Streamline:** An Chat GPT generated content generation tool for social media using Wav2Lip (AI deepfake), fast-stable-diffusion (image genearator), and Python to automate content curation and scheduling. (Project Files)

- **Unmanned Ground Vehicle for Agriculture Applications (CNN, Computer vision):** Developed a bot that navigates through farm fields (poly house) with the help of NVIDIA Jetson Nano as the main computing unit and a **Conventional neural network** for computer vision that uses about **300 Custom datasets**. (Project Files)

- **Sign to Speech using flex sensors (NLP, Embedded):** Built a device to track the position and gestures of a human hand (Sign language) using an array of **embedded** sensors and convert it to human understandable speech in near **real-time** using **NLP**. (Project Files)

- **RTOS Chatbot website Using Google Dialogflow (Dialogflow, Bootstrap):** Built a Dynamic website with chatbot features utilizing Dialogflow API. Designed to help our fellow classmates which provides all the details of the particular subject. With the ability to handle more than **1000 clients at once**. (Website)

Education

- **Dayananda Sagar University** — Bangalore, India
  Bachelor of Technology in Electronics and Communication — Jun 2017 – Jul 2021

- **Carmel PU College** — Bangalore, India
  Pre-University in Electronics — Apr 2015 – Mar 2017

- **SJR HIGH School** — Bangalore, India
  High school — Apr 2014 – Mar 2015

Published Journal

- Prajal Raju P, Poojashree B, Devaraju R, and Pushpa Mala S. "A Polyhouse: Autonomous Navigation Using IOT Technologies & CNN". IEEE Mysore Sub Section International Conference (MysuruCon), 2021, pp. 1-5, doi: 10.1109/MysuruCon52639.2021.9641668. (Paper)

- Prajwal Raju P, Poojashree B, Darshan Halliyavar, and Sourav Karmakar. "Analysis of Robust control methods for rigid robots". International Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN:2349-5162, Vol.7, Issue 10, page no.475-483, October-2020, Available: (Paper)

Technical Skills

- **Programing Languages:** Java, Python
- **Web Development:** HTML, CSS, JavaScript
- **Frameworks:** Spring Boot, React
- **DB language:** MySQL, Scylla, Redis cache, PostgreSQL
- **Others:** Hazelcast, Docker, Kafka, Apache Spark