

PRITHVIRAJ MURTHY

prithvimurthy8.jobs@gmail.com | 7875210665

GitHub: <https://github.com/prithviraj8>

LinkedIn: www.linkedin.com/in/Prithviraj-murthy

SUMMARY OF QUALIFICATIONS

- Software Developer with over 5 years of experience developing personal projects. I specialise in web, application development and machine learning, and have a keen interest in Artificial Intelligence. Can follow a task through to conclusion.

TECHNICAL SKILLS

- **Programming Languages / Frameworks:** Java, Python, C, C++, Swift, C#
- **Web Development / Databases:** JavaScript, Angular JS, HTML5, CSS, SQL, SQLite, SQL Server, JSON, Realm, Datum
- **App Development:** Android- Java, IOS- Swift - Xcode, React-native

EDUCATION

MAHARASTRA INSTITUTE OF TECHNOLOGY, WORLD PEACE UNIVERSITY , Pune, India.

Anticipated Graduation: June 2021

Bachelor of Science in Computer Science

Relevant Coursework: Data Structures and Algorithms, Operating Systems, Object Oriented Programming, Web & mobile app development & Analysis, Machine Learning & Artificial Intelligence.

WORK EXPERIENCE

Grofers India Pvt Ltd (Software Engineer Intern)

(Jan 2021 - June 2021)

- Work includes building APIs to integrate with warehouse applications and manage the supply chain. It also includes writing optimal path algorithms to create efficient routing systems.

Carnot Technologies Private Limited (Android Intern)

(Dec 2020 - Jan 2021)

- Working on the developing the front-end of the krish-e android app using **MVP design architecture** and integrating **roomDB** with **rest api** calls for backend integration.

Google Build for Digital India

(Oct 2019 - Jan 2021)

- Currently working with Google's Startup accelerator mentors closely over our machine learning model, application UI and UX, and a go to market strategy.

Sleefax - Startup (Co-Founder)

(June 2019 - July 2020)

- **Developed** an application on **IOS, android & Web** to connect engineering/university students to their nearby print shops. Users can upload images or any type of documents and select a nearby print shop to get printouts. (https://play.google.com/store/apps/details?id=com.Anubis.Sleefax&hl=en_IN)
- **Developed** a website for the shopkeeper to receive, print, manage and keep a track of all orders. (<https://sleefax.com/partner/about/index.html>)
- **Created** a php **API** for converting all files to pdf in order to connect them to the printer panel on a computer.
- **Managed 20 technical interns** in frontend and backend development for 6 months and made use of smart management tools like Trello.

ACADEMIC PROJECTS

Garbage Collectors & Managers App(TensorFlow Lite, Firebase Database, AWS, Amazon dynamo db, REST API) - Google BFDI

- Developed a Garbage Collectors app that shows locations of garbage within a 15 km radius from the user's current location. The app allows the collector to click an image of the area that the user just cleaned, which is then processed using **computer vision** to detect if the image matches with the area where garbage was previously detected.
- Built a Managers app and website that allows managers at municipal corporations to properly assign and keep track of pick up tasks for each rag picker.

Beetle (IOS - using Firebase database, storage, SwiftUI)

- Built a dating app with a unique swipe animation and algorithm for matching potential partners. Also includes an **predictive** algorithm that shows profiles of potential partners based on the users description.

Prototype of Self Driving Car(TensorFlow, Deep Reinforcement Learning - Rewards)

- Built a working algorithm for a Self Driving Car using torch in python that involves **Deep Q- learning** and **reinforcement learning** that makes the car avoid as many obstacles as it can and Experience Replay that makes the car remember the previous states of its brain.

HACKATHONS / ACHIEVEMENTS

Google Build For Digital India:

- I and my team, **The Third Eye**, won(1st Place) the Google Build For Digital India(2019-2020) by building a **Computer Vision** and Machine Learning based "**Smart Waste Locator**" to detect unattended garbage lying on the streets of a city/town/village.

Smart India Hackathon(2020):

- I and my team were selected as one of the **finalists** at the Smart India Hackathon 2020.