

KUNJKUMAR PATEL

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SUMMARY

A driven and focused software engineer proficient in Python, Java, and Javascript having an in-depth knowledge of software development lifecycle, microservices, design patterns, cs fundamentals such as data structures and algorithms, OOP concepts. Looking for full-time opportunities as software engineer/developer, full-stack development, web & mobile application development.

EXPERIENCE

Research Assistant at ilab, California State University, East bay May 2020 - Present

- Inventing an AI-based solution that is used to measure potential risks of Covid-19 such as Crowd density, Mask detection, social distancing, Fever detection related to geographical location
- Performed data collection, generated **XML** annotation for **5000+ images**, fine-tuned pre-trained **TensorFlow models** for image classification, object detection, and counting
- Collaborating in a team of crowd density estimation system that performs classification of crowds, detecting people and count unique person from live scenes-**increased model accuracy by 18%**
- Skills and Technology: **Android studio, Java, Object Detection API, Python, Firebase, SQLite, XML**

PROJECTS

Ecommerce website using MERN | Heroku, Node.js, MongoDB, React.js

- Implemented an ecommerce store using **MERN** stack, and utilizes **third party API's**, **Node.js** provides the backend environment for this application, **Express** middleware is used to handle requests, routes, **Mongoose** schemas to model the application data, **React** for displaying UI components and **Redux** to manage application's state
- Project enable three main different implementations such as buyers browse the store categories, products and brands, sellers or merchants manage their own brand component and admins manage and control the entire store components

Employee Details Management System | Angular, Typescript, SpringBoot, JPA

- A single page application(SPA) to Create, Update, Delete employee's details using **Angular** for front-end, **Spring boot restful API** as a backend, and **MySQL** database
- It can be used to manage employee's personal details very quickly and data can be shared between multiple end points and departments.

Vote Counting And Registration | Heroku, Python(Flask), JavaScript, PostgreSQL

- Created a voting application that can count and display votes in real-time using **Flask backend microservices** and Javascript for user interface development
- Development includes asynchronous updates to a webpage with **Flask and Socket.io** and orchestration of three microservices such as user profile, vote counting and registration

SKILLS

- **Programming languages:** Python, Javascript, Java, HTML,CSS
- **Full Stack Development:** SprigBoot, React.js, Express.js, Node.js, Flask
- **Databases and Cloud Platforms:** MongoDB, PostgreSQL, Heroku, SQL, AWS Lambda, EC2
- **Tools:** Jupyter Notebook, GitHub, Android Studio, Atom, Eclipse
- **Coursework:** Web systems, Advanced algorithm design, Cloud Computing, Distributed Systems, Database Systems

EDUCATION

Master of Science, Computer Science
California State University, East Bay

August 2019 - May 2021 (Expected)
GPA 3.45

Bachelor of Engineering, Computer engineering
Gujarat Technological University

August 2015 - June 2019
GPA 3.60

CERTIFICATION

- **Python Object-Oriented Programming**, Issuing authority: LinkedIn Jan 2021
- **Problem Solving**, Issuing authority:HackerRank Dec 2020
- **Full Stack development with MERN**, Issuing authority:Udemy Oct 2019