

HELLY PATEL

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EDUCATION

California State University East Bay, Hayward, CA

Dec 2021

Master's in computer science, GPA-3.76

Relevant Courses: Adv. Algorithm, Computer Vision, Web Systems, Operating System Design, Discrete Structure

Gujarat Technological University, Gujarat, India

May 2019

Bachelor of Engineering in Computer Engineering, GPA-8.47/10

Relevant Courses: Data structures, Database Mgt System, Object Oriented Prog, Software Engineering, Artificial Intelligence

TECHNICAL SKILLS

Programming Languages: Python, SQL, JavaScript, Objective C, C++, Java

Frontend Technologies: HTML5, CSS3, ReactJS, AngularJS, jQuery, Bootstrap, React native, Redux, Ruby on rails

Backend Technologies: Flask, REST APIs, Django, NodeJS, Express

Database: MySQL, SQL Server, MongoDB, PostgreSQL

Cloud Technology: AWS, Google Cloud Platform, Heroku

Tools and IDE: Git, Docker, Jenkins, Postman, Visual Studio Code, DBeaver, Jira

EXPERIENCE

California State University East Bay, Hayward, CA

Oct 2020 – Present

Technical Assistant

- Co-lead the AI team to build a virtual assistant chatbot integrated into the **Blackboard** which provide features such as Q&A, automated test assessments for the courses which reduced in-person discussion/tasks for professors by **43%**
- Constructing microservice using **Flask**, **RESTful APIs**, and implemented CRUD operations through **MongoDB** with utilizing **Google's Dialogflow** as a conversational platform and hosted in **AWS** using **Docker** containers

Amnago, Gujarat, India

July 2019 - Oct 2019

Web Developer Intern

- Developed a standalone eCommerce website having more than 10 plus product category with multiple products
- Designed **User Interface** (UI) using HTML5, CSS3 and lightweight reusable **ReactJS** component to render desktop and mobile responsive/adaptive webpages
- Created **RESTful APIs** for adding/deleting/calculating items in cart and payments handling which increased customers experience by **20%** and optimized the website performance by reducing API calls
- Identified bottlenecks and bugs, and devised efficient solutions to the UI problems by using browser debugging and profiling tools

Arham Technosoft, Gujarat, India

April 2018 - Aug 2018

Full-Stack Developer Intern,

- Utilized AJAX functions for performance and network utilization and applied client side validations using JavaScript, HTML5 and used CSS for user experience
- Rectified stored procedures in **MySQL** which optimized the performance by reducing execution time by **25%**
- Maintained code quality, organization, and automation by following industry-oriented coding standards with **version control**, defect tracking, and build systems
- Redesigned some existing features which improved page load time by 3 seconds and prototyped new UI animations which significantly enhanced performance and stability of UI

PROJECTS

Whatsapp Stimulation | MERN stack, TypeScript

Dec 2020 – Feb 2021

- Implemented real-time instant messaging services like Whatsapp Web where users can have one-one chat as well as create groups for group chat
- MERN Stack(Mongo DB, Express, React JS and Node JS) was used along with **materialized CSS** and **AWS** was used for storing users profile pictures.
- Unit Testing was performed using Karma and End-to-End testing is performed using Protractor.

Emotion Recognition Application | OpenCV, Python, Android SDK

Aug 2020 - Nov 2020

- Worked on an Android application for visually impaired people to recognize the emotions during social interactions
- Developed a model using **LSTM** and **CNN** for feature extraction and classification and convert that in **TensorFlow Lite** to use in android application

COVID-19 Tracker | ReactJS, ChartJS, Material-UI

Mar 2020 - April 2020

- Created a fully interactive web application which provides the count of COVID cases on daily basis, shows the infected, recovered and deaths globally along with individual country selection
- Originated by using **ReactJS** for the frontend with **Material-UI** which put aesthetic and functional component together and minimize the overhead
- Displayed data through web API in form of customized bar and line chart by using **ChartJS** and deployed the web application on Heroku

Scheduler | Flask, MongoDB

Jan 2020 - Feb 2020

- Implemented a powerful ToDo list application which help users to manage numerous daily task
- Used python framework **Flask** to render HTML pages and performed CRUD operations which stored data in **MongoDB**