Rakshitkumar Patel

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EDUCATION

California State University, Long Beach   Aug 2023 - Present
Master of Science in Computer Science

Gujarat Technological University   Jul 2018 - Jun 2022
Bachelor of Engineering in Computer Engineering   CGPA - 3.74

SKILLS

Programming Languages: C, C++, JavaScript, HTML, CSS, Python, SQL
Frameworks, libraries & tools: React Native, React.js, Redux Toolkit, NodeJs, Nest.js, Jest, GIT, JIRA, AWS Services

EXPERIENCE

Mobiquity Softech Pvt. Ltd.
Associate Software Engineer   June 2022 - July 2023
- **NBH Bank** | ReactNative, Redux, RxJs
  Built **common components**, configured storage with **Redux** in the mobile app, and contributed to key features like **Auth0** based authentication and passport and user management. Integrated **API's** using **RxJs** and **Redux Toolkit.**
- **AWS EVENTS** | Node.js, Serverless Microservices, AWS Services
  Designed and crafted various **services** like data export service for CSV and Excel formats, file upload service to store data in **AWS S3 locations and DynamoDB** and integrated **modules** for shuttle times, rideshare times and migrated **JavaScript** code to **TypeScript** code.
- Developed and executed Unit and Integration tests using tools like **Jest** and **Mocha, Chai, Sinon** to verify the accuracy and functionality of the code
- Actively participate in **code reviews**, ensuring code quality across the project by adhering to the client's coding standards followed by **Agile methodologies**

Ishitva Robotics Pvt. Ltd.
 Software Engineer Intern   Jan 2022 - June 2022
- Implemented a **data visualization tool** using **C++, QT,** and Network File System (NFS), enabling comprehensive insights into image datasets used for **model training**. This tool allowed tracking the image count, their and detailed **metadata**.
- Engineered an **automated labeling tool** based on the background subtraction technique, streamlining the data annotation process for improved model training efficiency.
- Created **scripts** to enhance image datasets through operations such as rotation of images and adjustment of HSV values, optimizing the training data for machine learning algorithms.

PROJECTS

Chat Application | NodeJS, ExpressJS, Socket.io
- A real-time chat application that allows users to send messages via personal channels. Users can also share their location in the chat.
- Users can create/join different rooms with password-based authentication

LuxuryRooms-Hotel Room Booking App | React.js, Node.js, Express.js, MongoDB
- Designed and developed a **hotel room booking application** where users can see available room details and book the room.
- Implemented features like user authentication, room booking, payment using stripe gateway, and filters like booking date, room type, and available rooms .

LEADERSHIP ACTIVITIES

Computer Society of India(CSI), GCET student branch
Core Team - Technical Lead   May 2020 - Apr 2021
- Actively organized various programming events, tech workshops, data structures, and algorithms sessions for competitive programming
- Increased Computer Society of India's membership by **40%** through networking and student engagement activities
- Planned events for the year and worked with the faculty heads for budget allocation and venue placements for the events

ACHIEVEMENTS

- **TCS Codevita Season-8**: Ranked **125th**(top 1%) in Round-2 of TCS Codevita coding challenge
- **Innovative Project Award**: Waste Classification using **Computer Vision**. Classifies plastic into various categories such as PET, PP, HDPE. It also has color based **sorting** of plastic waste.
- **Research Paper**:   Insights of the Olympics: Athens to Rio   Insights of IPL: 2008 to 2020 and why it is interesting