

Akash Shah

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EDUCATION

Master of Science | California State University Fullerton

Computer Engineering

Jan 2021

GPA: 3.50

Bachelor of Engineering | Gujarat Technological University

Computer Engineering

May 2018

GPA: 3.34

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, C++

Technologies and Framework: Django, Flask, React Native, Firebase, Pandas, Android, IoT, SQL, REST API, Git, Machine learning, MATLAB, Scripting, AWS, Matplotlib, MySQL, NodeJS, Linux, MongoDB

EXPERIENCE

Web Developer | California State University Fullerton

Mar 2019 - Dec 2020

- Developing and maintaining College of Communication website using HTML, CSS, JavaScript, JSP and OU Campus
- Led front-end development team for website overhaul, content management, ATI errors and improved site stickiness by 25%
- Increased web traffic 75% by improving navigation, adding social media pages plugins and creating dynamic media sections
- Secured website and server by 90% to 98% using different patches and installed SSL certificate in server using IIS Manager
- Providing tech support for the faculty in the University, especially during the transition from in-person to virtual teaching
- Updated event schedules and made visual changes on university website, which is used by more than 1000 students and staff
- Maintaining data in terabytes for University's newspaper the daily titan and also for website, developed system for automatic backup on daily basis using python scripts and dropbox
- Maintained hardware such as projectors, printers, computer systems for department and managed to conserve Windows and Macintosh computers labs

Software Development Intern | Secure Backup

Jun 2018 - Dec 2018

- Assisted software developers by analyzing customer needs, designing and testing software features
- Architected a web application using Django, Python, SQL for keeping, updating and accessing user details, which saved company's time by 33%
- Created a new GraphQL API, running on Node.js, which persists and retrieves software deployment data, and updates deployment statuses in relevant systems
- Allows users to track software deployments across the Development, Test, and Production environments

ACADEMIC PROJECTS

Nearby Café | JavaScript, Expo, react-native, react-native-maps, Yelp API

[Link](#)

- Designed application that shows nearby cafes, restaurants on map in both iOS and android platforms
- Fetched Yelp API calls, to see names, ratings, locations, contact details, opening hours of nearby places
- Included features to filter restaurants and cafes according to food types, food chains, distance

Blog Site | Python, Django, Amazon S3, Firebase

[Link](#)

- Managed, built and formulated blog website such as Twitter replica using Python, Django and Amazon S3 bucket
- Involved features such as sign up, login, reset password, update user profile according to their requirements
- Users can create, edit, delete their posts and see each other post on common news feed

Tweet Sentiment Analysis | Python, Flask, react-native, Machine Learning

- Developed a model a cross-platform Application in react-native for Android and iOS with Flask backend
- Used TensorFlow, Python and concepts of machine learning for sentiment analysis on social media posts on Twitter

Power Saving using Image Processing | Python, MATLAB, Raspberry Pi

[Link](#)

- Pioneered a project based on Image Processing & Python to cut power on detecting an empty room to save power
- Built a model and algorithm, which operated multiple outputs from cameras using the concept of "Context Switching" in system
- Implemented dual usage system, where a camera is used for detecting people as well as surveillance purpose

Restaurant Menu | Java, Android, SQLite, Google Pay API

- Framed an Android Application to view menu, give order, pay bill accepting Google Pay and get customer's valuable feedback
- Added features for customers to give review on Google reviews from their application