Prashil Soni

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EDUCATION

Auburn University at Montgomery | Montgomery, Alabama   Jan 2020 - May 2021
Master of Science, Computer Science   GPA: 4.00
Course Work: Advance database system, front-end & back-end web development, machine learning, 3d object modeling

Gujarat Technological University | Gujarat, India   June 2015 - May 2019
Bachelor of engineering, Computer Engineering   GPA: 7.30/10
Course Work: Data structure & algorithms, Computer Architecture, System Programming, Operating Systems, OOP C++

TECHNICAL SKILLS

Programming Languages: JavaScript, Python, PHP, Java, C/C++, Shell Scripting
Web Technologies: HTML, CSS, jQuery, Ajax, JSON, REST API integration, Web API, SaaS, WordPress
Frameworks & Library: Node.js, Angular.js, React.js, Typescript, Three.js, Bootstrap, Django, Flask, Redux
IOT Devices Experience (Hardware): Raspberry pi, Arduino, ESP32, NodeMCU, ESP8266
Databases: MySQL, Mongo DB, PostgreSQL
Cloud, version control, Tools: AWS, Git, Figma, Adobe Photoshop, Adobe XD, Blender, Android studio, Jira, MS Office

ENGINEERING PROJECTS/TEAM PROJECTS

Home Automation: [Micro Python (Academic Project)]
- Designed a voice-recognizing home automation system to increase efficiency and convenience.
- Initial functionality included on-command turning the fan and lights on/off. It also included IR Sensor which would turn the fan and light on when someone enters the room and turn them off upon exit from the room.
- This home automation system used two IR senders and two receivers, connected directly with NodeMCU. NodeMCU, was in turn connected with a router. An ESP32 was also connected with the router.

Face Detection: [Python, Deep Learning (Academic Project)]
- Added face detection functionality to the earlier "Home Automation" project. This system was intended to be placed an entry door for apartment or house and send pictures of any visitors to residents using emails.
- Pre-trained models from "frozen_inference_graph.pb" library to detect human body. Once detected, the model would capture using Raspberry pi camera. Then using Gmail APIs, an email will be sent to all registered users instantaneously.

Marketplace for YouTube: [HTML, CSS, Django, Python, PostgreSQL]
- A business idea that turned into a full-stack web project. Design and develop wireframe and prototype using Adobe XD. Customized django admin panel for backend task. Used MVT pattern, write more organized and clean code
- Youtubers can register and login using github and google, in the dashboard enter all the details like pricing for promotion, contact info etc. Users can search YouTube with filters and categories, discuss promotions and complete payment online.

University Launchpad: [HTML, CSS, JavaScript, jQuery, Ajax, PHP, MYSQL, news API]
- Using MVC pattern design and develop Responsive Launchpad that helps students to do daily tasks at university that include course enrollment and management, chat with students, get updated with latest news, get notifications of university events. Instructors can see schedules, student's attendance and enrollment in courses.
- Use the REST API for all the front-end processes, use SQL stored procedures for frequent transactions like login, deploy NEWS API to retrieve news category wise from a wide variety of news sources.

3d E-commerce store: [Gatsby, React.js, bootstrap, graphql, three.js, strip.js]
- Design and develop a 3d E-commerce store. Draw each product in 3d using a blender, so that the user can see the products in all the angles. Main purpose is to improve user experience by giving real product views. Implemented payment module.

EMPLOYMENT EXPERIENCE

Auburn University at Montgomery, USA | **Graduate Teaching Assistant**   Dec 2020 - Present
- Taught the class of 21 students 3d object modeling using blender. Maintained weekly hours and problem-solving sessions.
- Built a check in system using HTML, CSS, JavaScript, jQuery, Ajax, PHP, and MYSQL. All the students first check in online and then are only allowed to join the class. Develop a feature so that all the students can check already checked in students and if the limit would be reached then the session will close.

Elite Evince Technologies, India | **Full-stack web developer**   June 2018 – Nov 2019
- Designed, developed, tested and deployed services to AWS to store and organize the product lifecycle. Involved in front-end development, improved a design by following modern design principles, adaptive designs, user flow. developed wireframes and prototypes of web applications. Demonstrated communication skills by giving product presentation to clients.

Elite Evince Technologies, India | Front-end developer, intern
- Developed reusable React components and use bootstrap.
- The existing Web framework has been moved to the latest Front End software stack.