Akshay Moradiya

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EDUCATION

- **California State University Long Beach** | Long Beach, California **Fall 2021-2023**
  Pursuing Master of Science in Computer Science
- **Gujarat Technological University** | Ahmedabad, Gujarat **Aug 2016-2020**
  Bachelor of Computer Engineering **GPA: 4.0**

EXPERIENCE

California State University, Long Beach | Teaching Assistant **August 2021 – May 2023**
- Proficient in using data analysis tools and techniques such as Python libraries, SQL, Excel, and Tableau to collect, manipulate, and analysed data.
- Converted diabetes data into actionable insights by predicting and modelling future outcomes with 97% accuracy.
- Analysed the coffee data of more than 25 stores and used outputs to guide marketing and product strategies; increased average customer engagement time by 2x.
- Teaching Python libraries like Panda, NumPy, Scikit-Learn, Matplotlib, and Yellow brick to the students of the Marketing analysis department.

Empower – Remote, CA | API-Automation Intern **June 2022 – August 2022**
- Proven track record of designing and implementing comprehensive automated test suites for RESTful API.
- Developed API automation frameworks using Selenium and Postman, resulting in a 50% reduction in testing time and improved test coverage.
- Collaborated with cross-functional teams to ensure that API automation tests aligned with business requirements and project goals, resulting in high-quality software releases.
- Conducted root cause analysis on failed tests and provided actionable feedback to developers, resulting in the timely resolution of defects.
- Created and maintained test plans, test cases, and test reports using JIRA, ensuring that testing activities are well-documented and easily accessible.
- Worked within a modern DevOps environment, used git for version control, and got aware of Jira for issue tracking and project management.

Bearbook Inc. | Software Engineer **May 2018 – June 2021**
- Built a full-stack accounting web application to allow users to simulate and automate reports, including features like sales and invoicing, expense manager, and more.
- Design and develop RESTful APIs using Node.js, Express.js, and MongoDB to support client-side applications based on dynamically chosen user input for reports, handling more than 10,000 requests at a time.
- Implement front-end features using React.js, HTML, CSS, and JavaScript to deliver user-friendly interfaces and enhance the overall user experience.
- Implemented Jenkins CI/CD pipeline with Git webhooks for automated build, testing, and deployment, streamlining software development workflows.
- Implemented dynamic scaling functionality to handle sudden spikes in traffic, dynamically adjusting the pool of available application servers using NGINX.
- Proficient in various AWS services, including EC2, Elastic Beanstalk, Kinesis, SNS/SQS, Lambdas, DynamoDB, RDS, ElastiCache, and database schema design, enabling the development of scalable and resilient applications.
- Communicated with internal teams and stakeholders, working to determine solutions for user experience improvements.

Bearbook Inc. | Software Engineer Intern **Jan 2018 - May 2018**
- Learned advanced topics such as IIFE, Call-backs, Promises, Async and Await, and Object-oriented programming in JavaScript and wrote efficient code using modularization and encapsulation.
- Learned advanced frameworks, libraries, and APIs like Express, Node.js, React.js, and RESTful API.

SKILLS

Programming Languages: JavaScript, TypeScript, Java, Python, C, C++, ASP, .Net, C#
Web Frameworks: HTML, CSS, Bootstrap, JSP, React.js, Express.js, Node.js, Angular.js, PHP, jQuery, AJAX, JSON
Software: Anaconda, VS Code, Jupyter Notebooks, Net Beans, React Native, G-Suit, Arduino IDE, Figma, Photoshop, illustrator, CorelDRAW
Database, Tools, and Servers: MongoDB, SQL, MySQL, Oracle, Firebase, Apache, Tomcat, AWS, XAMP, DOM, HTTPS, Git, Docker, Kubernetes, Jenkins, REST API, Google Colab.

PROJECTS

Team | JavaScript, node.js, OOP, Bootstrap [GitHub Link] | [Live Demo]
- Created an efficient information-gathering system, dynamically generating HTML webpages, and providing centralized team member management for enhanced productivity and collaboration.

Bike-buddy | Leaflet, jQuery, Bootstrap, JavaScript [GitHub Link] | [Live Demo]
- Implemented cutting-edge route and mapping optimization technology in Bike Buddy, ensuring the utmost safety for children's cycling adventures, providing parents with worry-free afternoons.

Weather | jQuery, HTML, CSS, JavaScript [GitHub Link] | [Live Demo]
- Developed an intuitive and reliable weather app powered by the OpenWeatherMap API, enabling users to access detailed forecasts worldwide, empowering them to confidently plan their day while staying informed and prepared for any weather conditions.

Quiz | JavaScript, HTML, CSS [GitHub Link] | [Live Demo]
- Designed and developed a JavaScript coding quiz that tests users on fundamental concepts, utilizing random selection, time constraints, and penalty system to evaluate their knowledge and determine scores.

PARTICIPATION AND CERTIFICATION

- **Smart India hackathon (SIH)**: Participated in the national-level competition and represented a Smart streetlight fault detection system and got certification.
- **Smart Gujarat for New India hackathon (SSIP)**: participated in the state-level competition and represented a unique solution for a streetlight fault detection system and got certification.
- **Volunteer:** Contributed as a coordinator in the designing committee and led the team of state-level tech fest held on 20th – 21st February 2019 at Shree Swami Atmanand Saraswati Institute of Technology.