ZEEL TRIVEDI

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EDUCATION

California State University, Fullerton, Fullerton, USA
Master of Science, Computer Science (3.72 / 4.0)   Expected Graduation: December 2023
Related Coursework: Advanced Algorithm, Advance DBMS, Software Verification, and validation, Web backend development

Gujarat Technological University, Ahmedabad, India
Bachelor of Technology, Computer Engineering (3.46/4.0)   August 2020
Related Coursework: Data Structure, Analysis of Algorithm, Advance Java, C++, Computer Graphics, Big Data Analytics

TECHNICAL SKILLS

- Language & Framework: Java, Python, JavaScript, C++, SQL, React.js, Express.js, SQL, HTML, CSS, JSON, Ajax, XML, Bootstrap, Android, jQuery, Agile Methodologies (Scrum, XP, UP), Docker, Django,
- Database: SQL, MySQL, PostgreSQL, MongoDB
- Tools: Microsoft PowerBI, Eclipse, Asana, GitHub, Android Studio, Git, Visual Studio Code, Jira, MySQL Workbench, Advance Excel, Trello, Microsoft office, Java spring boot, Angular

EXPERIENCE

California State University Fullerton   Fullerton, CA
Teaching Associate of Database and OOP   August 2022 - Present
- Lecturing, directing exams, and preparing lessons of two courses, File structure and database, and 3 labs of Object-Oriented Programming
- Analyzing and searching new tutoring methods with various materials for 150+ students at university. Also, debugging problems, reviewing, and writing an optimized readable code with teaching team of Google
- Communicating with Professors of CSU Fullerton and coordinating with educational organization of Google as a part of Google Residency Program to do research on coursework and curriculum design, Achieved success ratio of 60%
- Conducting 3 labs of OOP to teach concepts of recursion, memory allocation and Object-oriented programming

California State University Fullerton   Fullerton, CA
Project Assistant   April 2022 – December 2022
- Build an android application Haemotracer to help people with blood in an emergency in Android Studio for 100+ users
- Implement a basic version of Haemotrace application including MySQL database and used API Keys with Geolocation for more than 100 users
- Create a map for Haemotrace using Maps JavaScript API, Maps will be used to locate blood banks with searched blood group (Total 8 different blood groups) and track donors with Collaborative Realtime Mapping with firebase
- Design project in Java, JavaScript, Bootstrap, Android Studio, HTML, CSS, XML, and improved UI by 50%

All in Motion IT Solutions   Vadodara, India
Software Developer   January 2021 - January 2022
- Identified improvements of inventory management system - code and design, made conflict resolution and reduced future efforts and achieved over 95% customer satisfaction rate
- Constructed analytical dashboard, organizing team with Jira, boosted team ticket completion rate by 15%
- Translated software requirements into concise code and decreasing load time speed by 40% by modularizing code
- Upgraded features for inventory management system with Java, JavaScript, jQuery, CSS, Ajax, and React.js with 52% success rate
- Completed Mobile Application using Android Studio in Java, XML, Wireframing, Layout Editor and Material Design

PROJECTS

Orange Blossom Website *(Academic Project)*   February 2022 - May 2022
- Accelerated web application by 30% applying React.js and Express.js for customer wants to buy rare plants online
- Managed data of customer with 20+ rare plants, provided billing facility and generated receipt by updating MySQL database
- Enhanced user experience by providing guidance and applying JavaScript, CSS, HTML and Bootstrap by 35%

Algorithm *(Academic Project)*   January 2022 - April 2022
- Executed Flyod-Warshall Algorithm to find most reliable path from given pool of more than 10 cities in Python
- Measured path with maximum probability between two cities of flight's arrival time
- Calculated and analyzed most reliable city from given pool of cities by modifying Flyod-Warshall algorithm in Python

Augmented Reality for Architecture *(Academic Project)*   January 2020 - May 2020
- Converted 2D image view into 3D view by Scanning the QR code with Vuforia view Mobile APP, additional API in Java for Android platform. Technologies Used: IoT, Raspberry Pie, Vuforia Studio, Vuforia view App
- Facilitated moving in house by Rotating mobile left and right with 35 to 55 degrees by designing in Java and JavaScript

CERTIFICATIONS

- Oracle Certified Expert Java platform EE 6 web Component development Developer with 92 percent score Oracle Testing ID: OC1843686, Center ID: 64032
- AWS Training and Certification by Amazon Web Services
- Monitored and organized international level technical event as coordinator