Kshitiz Sareen

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EDUCATION

San Francisco State University, San Francisco, California   Anticipated Graduation date: **May 2023**
Master's of Science in Computer Science   GPA: 3.96 / 4.0
Coursework: Artificial Intelligence, Software Engineering, Mobile Application Development, Data Visualization

Dhirubhai Ambani Institute of Information and Communication Technology, India   **Aug 2016 – May 2020**
Bachelor's of Technology in Information and Communication Technology   GPA: 3.0 / 4.0
Coursework: Software Development, Web Development, Data Structures and Algorithms, Object-Oriented Design

TECHNICAL SKILLS

Programming Languages: JavaScript, HTML, CSS, Java, C, C++, C#, Python, TypeScript, SQL, Swift
Frameworks, tools, and technologies: React.js, React-Native, Node.js, Android Studio, XCode, Git, Google Cloud
Operating Systems: Unix/Linux, macOS, Microsoft Windows, Android, IOS

EXPERIENCE

San Francisco State University, San Francisco, California   **Aug 2022 – Present**
Graduate Teaching Assistant, CSC 210 – Introduction to Programming (Skills: **Java**)

- Introduced programming concepts to a class of 50 students by teaching them the Java programming language.
- Increased class participation and passing rate by 30% by initiating mentorship programs for student development.
- Helped students practice programming by creating 10 weekly assignments, 3 class projects, 2 exams, and 5 quizzes.

Synoptek, Ahmedabad, Gujarat, India   **Jan 2020 – Jul 2021**
Software Engineer (Skills: **C#, JavaScript, Microsoft Dynamics 365**)

- Built over 100 functionalities for more than 13 projects by developing customized applications for Microsoft Dynamics CRM.
- Collaborated with engineers and stakeholders from 6 different teams to build solutions that optimize business processes.
- Enhanced productivity of over 15 Microsoft Dynamics CRM consultants by building plugins and web resources using C# and JavaScript.

ACADEMIC PROJECTS

Sports News Web Application (Skills: **JavaScript, SQL, React.js, Node.js, Express, MySQL, Google Cloud, Agile, Scrum**)

- Headed a team of 7 to build a sports news web application in 2 months that uses React.js, Node.js, MySQL, and Google Cloud.
- Followed software engineering best practices to build over 150 functional requirements using Agile and Scrum methodologies.
- Built low-latency APIs with a server response time of 100ms by using Node.js, Express and MySQL stored procedures.

Air Quality Index Visualizer (Skills: **Python, JavaScript, React.js, Node.js, D3.js, Keras, Pandas, SQL, MySQL, Google Cloud**)

- Built a visualization system using React.js and D3.js that provides insights to air quality indexes of over 120 countries.
- Visualized an air quality index dataset of over 5000 records by implementing bar charts, muti-series line charts, and choropleth maps.
- Created an AQI prediction system with a 92% accuracy by using Keras to implement a deep neural network of over 40,000 parameters.

ACHIEVEMENTS AND POSITIONS

- **Published** an open-source package called React-Native-Image-Filter-Android that has over 2000 downloads.
- **Certification** in Complete 2022 Data Science and Machine Learning Bootcamp.
- **Member and Workshop Instructor** of the Association for Computing Machinery at San Francisco State University.