Shilpi Hiteshkumar Parikh

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ACADEMIC DETAILS

Arizona State University, Tempe, AZ, United States **Aug 2021 – May 2023**
Master of Science in Software Engineering (GPA – 3.83/4.0)
Charotar University of Science and Technology, Nadiad, Gujarat, India **July 20 – May 2021**
Bachelor of Technology in Computer Engineering (GPA – 9.49/10.0)

TECHNICAL SKILLS

Languages: Python, Java, Go, TypeScript, JavaScript, PHP, Android, C/C++, C#, R, .NET
Technology: ReactJS, AngularJS, AWS, GCP, AWS Lambda, PyTorch, Machine Learning, HTML, CSS, NodeJS, BootStrap, REST API, Docker, Web API, Django, Spark, Hive, Kubernetes, GraphQL, Grafana, Datadog
Database: MS SQL, MySQL, MongoDB, RDBMS, Amazon RedShift, Firebase, NoSQL
Tools: Git/Github, Azure DevOps, Google Colab, Jupyter Hub, VSCode, PyCharm, Tableau, Taiga, Jira, Selenium, Slack, Weka, Draw.io, Adobe XD, Android Studio

WORK EXPERIENCE

Feb 2023 – May 2023

Research Science Intern, Hitachi America Ltd. (Python, GNN, Machine Learning)

- Spearheaded the development of a cutting-edge Graph Neural Network that analyzed the supply chain, considering factors like risk and demand propagation, to proactively prevent future disruption of the supply chain
- Leveraged an extensive understanding of machine learning models, experimenting with and implementing various linear and neural network models, to analyze data accuracy, providing critical insights to drive informed decision-making
- Developed a standardized flow for data generation and formatting, enabling streamlined and efficient data processing, analysis, and visualization for stakeholders
- Collaborated closely with cross-functional teams to gather requirements, design and develop the GNN architecture, and conduct rigorous testing and validation to ensure its effectiveness
- Demonstrated exceptional problem-solving skills by identifying and resolving complex issues related to data quality, accuracy, and formatting, contributing to the overall success of the project

May 2022 – Aug 2022

Software Development Engineer Intern, Amazon.com, Inc (ReactJS, Java, TypeScript, AWS)

- Successfully designed and developed a comprehensive data visualization system utilizing React and AWS technologies, which enabled effective tracking and analysis of key metrics from the concession customer data
- Developed customized filtering functionality for the dashboard, allowing for real-time data exploration and analysis by stakeholders
- Leveraged AWS services to create highly performant APIs, effectively retrieving and processing large datasets from the data source such as AWS RDS
- Employed Java programming language to design and implement a highly efficient AWS Lambda function, enabling seamless connections to the data source and ensuring smooth API response
- Successfully integrated the front-end and back-end components to create an end-to-end system that seamlessly delivered critical insights and improved decision-making
- Worked on a robust CI/CD pipeline utilizing various stages, including code commit, build, testing, and deployment, which significantly reduced development cycle times and enhanced the overall software quality

Jan 2021 – June 2021

Technology Intern, Thomson Reuters Corporation (AngularJS, C#, TypeScript)

- Contributed to the development of the user interface for all ONVIO Brazil applications by designing the layout and functionality of the navigation menu bar, delivering an easy-to-use user experience
- Exhibited exceptional programming skills by developing a custom Angular service that enabled dynamic menu creation, resulting in a 10% reduction in menu loading latency for improved navigation performance.
- Took ownership of delivering innovative features by developing the Global Menu Search functionality, providing users with a convenient and effective means to navigate across multiple modules
- Collaborated closely with cross-functional teams to integrate Onvio Global Menu Search into multiple ONVIO modules using Angular and Java, ensuring a unified and intuitive user experience, while achieving a 20% increase in code reusability

PROJECTS AND PUBLICATIONS

Customer Relationship Management System (ReactJS, TypeScript, Java, Python, Django) **Jan 2023 – May 2023**

- An inclusive CRM analytics dashboard was developed, offering valuable insights to investors, customers, leads, and deals, enabling stakeholders to make informed decisions and identify growth opportunities through key metrics and data visualizations
- Implemented a robust leads module, enabling efficient tracking and monitoring of lead conversions and implemented a deal pipeline feature was designed to streamline deal management, providing visual representations of each stage for improved forecasting, resource allocation, and decision-making
- Implemented a versatile investor module that facilitates personalized communication, customized reporting, and targeted investor management, promoting strong relationships and productive collaboration

May 2020 – Oct 2022

Research Paper - 'A Comparative Study of Speech Emotion Recognition' (Python, Machine Learning, Deep Learning)

- Implemented Speech Emotion Recognition system after factoring in the features. Classifiers used for the implementation were SVM, MLP, CNN, and RNN-LSTM classifiers. Also tested the dataset on variants of this individual classifier
- Prepared a detailed Comparative Table representing the strong and weak points of each of the methods used for implementation

Nov 2020 – April 2021

IGI Global Book Chapter - Chapter3 Network Intrusion Detection Using Linear and Ensemble ML Modeling (Python, Network Analysis)

- Researched the different types of network intrusions affecting the breakdown of the network
- Developed and used Linear and Ensemble Machine learning algorithms for the detection of intrusion in the network