SHRUTI ASTHANA

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EDUCATION

University at Buffalo, **The State University of New York**   August 2022 – December 2023
Master of Science (MS) Computer Science and Engineering   Buffalo, NY

Savitribai Phule Pune University   August 2014 – June 2018
Bachelor of Engineering in Information Technology   Pune, India

SKILLS

Programing Languages: Java, JavaScript, TypeScript, HTML, CSS, SQL, C#
Frameworks: Bootstrap, jQuery, ReactJS, Material UI
Database: PostgreSQL, MySQL, MS SQL
Cloud: Azure PaaS, Azure Cognitive Services (AI), Salesforce Development
Tools and Libraries: Git, Jira, Postman, Azure DevOps, Figma

WORK EXPERIENCE

Software Engineering Analyst   August 2021 – July 2022

Accenture   Pune, India

- Devised a customer risk detection component that reduced risk detection time by 50%, improving efficiency and accuracy in identifying and mitigating risks.
- Created a single-page application facilitating seamless policy card integration with third-party APIs and included email notification functionality for emailing the output to individual customers.
- As part of Front-End Engineering research initiatives, developed reusable front-end solutions to enhance the user experience of our insurance client's product.
- Built a recommendation system using Salesforce's Einstein Prediction Builder, empowering agents to retain customers and increase policy sales.
- Developed interactive dashboard widgets to track insurance policy renewal rates, automating processes for agents and reducing their manual efforts by 30%.

Senior Software Engineer   January 2019 – July 2021
LTI Mindtree   Pune, India

- Refactored and optimized code, enhancing speed and readability while improving the performance of critical features through the implementation of parallel processing on the backend and asynchronous processing on the UI.
- Created a data integration pipeline to seamlessly connect and synchronize data between multiple applications, scheduling it to run every 15 minutes for efficient and timely data synchronization.
- Developed mission-critical features for various business use cases using HTML, JavaScript, Restful APIs, Salesforce Apex Controllers, and Triggers, ensuring timely delivery and functionality.
- Achieved and maintained a minimum test coverage of 95% by actively monitoring and enhancing code testing, while providing leadership and mentorship to a team of 4 junior developers, including code review and solution guidance.

ACADEMIC PROJECTS

Intelligent Document Processor   May 2023 – July 2023
An intelligent document processor which scans a pdf document, OCR it if needed and generate useful insights using Open AI. This applications helps user's to generate helpful insights from a document by providing configurable prompts editable by users if needed.
Skills: React JS, C# (Backend), Open AI, Azure PaaS

An Extra Scoop (Master's Project – University at Buffalo)   February 2023 – May 2023
An all-inclusive food business management application has been created specifically for entrepreneurs, providing a convenient platform to strategize and oversee weekly menus, handle task lists, and effortlessly create and maintain recipes, all consolidated within a user-friendly platform.
Skills: JavaScript, HTML, CSS, jQuery, Bootstrap, Django framework, Python, AWS

Startup Investment Prediction   February 2023 – May 2023
Analyzed startup funding and acquisitions trends to identify successful characteristics, investor types, and top-funded industries, providing valuable insights for informed investment decisions through our user-friendly interface.
Skills: Scikit, Python, Matplotlib, Streamlit