KUMAR SHIVAM

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TECHNICAL SKILLSET

Skills:

· Python · SQL · HTML · CSS · JavaScript · ES6+ · React · Node.js · C/C++ · PySpark · Hadoop · REST API
· Github Actions · ETL · GIT · NUnit · Cosmos DB · MongoDB · JSON · Debugging · Power BI · VSCode · SparkML
· Selenium · MS Azure Bot Framework · Postman · Agile · Jira · Azure DevOps · Pipelines · Automation · CI/CD

Certifications:

- Microsoft Certified: Azure AI Engineer Associate — Jan 2021
- IBM Certified: Application Developer- Watson V3 — Aug 2020

EDUCATION

Simon Fraser University | Burnaby (Canada) — Sep 2022 - Apr 2024
Master in Professional Computer Science
Notable Coursework: Programming for Big Data, Distributed & Cloud Systems, Machine Learning, Statistical Learning

Vellore Institute of Technology | Chennai (India) — Jul 2014 - Apr 2018
B. Tech - Computer Science and Engineering
Notable Coursework: Object Oriented Paradigm and Programming, Data Structures & Algorithms, Software Engineering Algorithm Design and Analysis, Computer Networks, Database Systems, Image and Vision Computing, Cloud Computing

WORK EXPERIENCE

Software Analyst | Translink, New Westminster (Canada) — Apr 2023 - Dec 2023

- Developed a **Flask** application in Python from scratch to retrieve and rate **10k+** work items on Azure **DevOps**
- Integrated **ChatGPT** APIs at the backend to provide valuable suggestions for work item improvement
- Utilized **Azure SQL** DB for seamless storage and management of work item ratings and doing updates as required
- Engineered a **Python** script to retrieve and format Board, Pipelines, Test Plans, and Repos data via Azure DevOps APIs
- Leveraged **Power BI** to generate insightful visualizations, providing valuable data-driven insights for decision-making
- Implemented automated testing using **Selenium** WebDriver in **C#** with **NUnit**, incorporating new Selenium 4 features
- Created **.NET 6** testing framework in C# with Azure CI pipeline, enabling efficient automation for product teams

Project Lead | SFU Blueprint, Burnaby (Canada) — Sep 2023 - Present

- Developed the website using HTML, CSS, JS, and **React**, providing a platform for non-profits to access technology services
- Configured **GitHub Actions** to automate testing, building, and deployment on Vercel servers, streamlining the release process for faster and error-free updates
- Conducted **code reviews** for pull requests, ensuring a high standard of code quality and minimizing bugs in production

Teaching Assistant | Simon Fraser University, Burnaby (Canada) — Sep 2023 - Dec 2023

· Collaborated with Professor and assisted students for CMPT 473 - Software Testing, Reliability and Security

Software Developer | Acronotics Limited, Bengaluru (India) — Oct 2021 - Aug 2022

- Built and successfully deployed a scalable intelligent bot capable of handling **20k+** employees for a client
- Integrated MS Bot Builder SDK with MS Azure **Cognitive Services** using **Node.js** at the backend
- Upgraded the chatbot using MS Translator API which helped it to expand into **7** different languages
- Implemented **REST APIs** for creating support tickets and live agent connections for quick response
- Created backup server in different Availability Zones to make the bot more fault-tolerant with the availability of 100%

Project Engineer | Wipro Limited, Bengaluru (India) — Jul 2018 - Sep 2021

- Collected model training data by using **Python** to scrape English and Hindi language data from various news websites
- Implemented a research paper to delete Schwa (unstressed sound) from the dataset which improved model quality
- Developed a **proxy tunnel** to handle speech-to-text and text-to-speech to integrate with the NICE Incontact platform
- Utilized a custom speech model in the proxy tunnel which improved the performance by **5%** for domain-specific keywords

ACADEMIC PROJECT

Yelp Data Analysis and Review Prediction | SFU, Burnaby (Canada) — Sep 2022 - Dec 2022

- Used **PySpark** to read JSON files to find the users and review trends over the last 15 years to understand the growth
- Did sentiment analysis on review text using Python's **NLTK** and **Textblob** library to use as a feature in the prediction model
- Used **SparkML** to find a relationship between the user and business attributes to predict user rating for a business