KUMAR SHIVAM

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TECHNICAL SKILLSET

Skills:

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

Certifications:

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

EDUCATION

Simon Fraser University (SFU) | 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 (VIT) | India   *Jul 2014 - Apr 2018*

B. Tech - Computer Science and Engineering

Notable Coursework: OOPs, Data Structures and Algorithms, Computer Networks, Database Systems, Cloud Computing

EXPERIENCE

Software Analyst | Translink, Canada (Co-op)   *Apr 2023 - Dec 2023*

· Developed a **Flask** app, processing 10k+ work items on **Azure DevOps,** integrated **ChatGPT** APIs for improvement suggestions
· Engineered a **Python** script for Azure DevOps data retrieval, utilizing Azure **SQL DB** for seamless storage and management
· Leveraged **Power BI** for 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, Canada (Volunteer)   *Sep 2023 - Present*

· Developed club website using HTML, CSS, and **React**, enhancing the accessibility of technology services for non-profits
· Configured **GitHub Actions** to automate testing, building, and deployment on Vercel, streamlining the release process

Software Developer | Acronotics, India (Full-Time)   *Oct 2021 - Aug 2022*

· Built and successfully deployed a scalable intelligent bot capable of handling **20k+** employees
· Integrated MS Bot Builder SDK with MS Azure Cognitive Services using **Node.js** at the backend
· Implemented **REST APIs** for creating support tickets and live agent connections for quick response

Project Engineer | Wipro, India (Full-Time)   *Jul 2018 - Sep 2021*

· Scraped English and Hindi data from news websites for AI model training, using **Python,** improving model performance
· Utilized a custom speech model in the proxy tunnel, enhancing performance by **5%** for domain-specific keywords

PROJECTS

Personal Website | Canada   *Nov 2023 - Nov 2023*

· Developed a responsive website using HTML, CSS, and React, employing **media queries** for mobile & desktop adaptability
· Utilized React components and the **state hook** to manage the navigation hamburger, enhancing user interaction
· Implemented a **modular** approach by storing data in a separate JS file, facilitating easy content updates
· Leveraged React's **JSX** syntax for declarative UI development, ensuring code readability and maintainability

Yelp Data Analysis and Review Prediction | SFU, 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
· Utilized **SparkML** to find a relationship between the user and business attributes to predict user rating for a business