

# KUMAR SHIVAM

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## TECHNICAL SKILLSET

### Skills:

· Python · SQL · HTML · CSS · JavaScript · ES6+ · React · Node.js · R · Express.js · C/C++ · PySpark · Hadoop  
· Github Actions · ETL · GIT · NUnit · Cosmos DB · MongoDB · JSON · Debugging · Power BI · VSCode · SparkML  
· Selenium · Azure Bot Framework · AWS · 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

### Data Analyst | Translink, Canada (Co-op)

Apr 2023 - Dec 2023

- Developed a **Flask** app, processing 10k+ work items on **Azure DevOps**, integrated **Azure GPT** 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 - Dec 2023

- 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