KUMAR SHIVAM

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TECHNICAL SKILLSET

Skills: · Python · SQL · ETL/ELT · GIT · Node.js · Power BI · Azure GPT · PySpark · Hadoop · SparkML · C/C++ · MongoDB · Cosmos DB · Blob Storage · Express.js · JSON · Debugging · Github Actions · Bot Framework · Neo4j · AWS · Jira · Postman · Azure DevOps · Pipelines · REST API · Automation · NUnit · Selenium · CI/CD · Data Analysis · HTML · CSS · JavaScript · React · R · VSCode · Agile

Certification: Microsoft: Azure AI Engineer Associate *Jan 2021*

EDUCATION

Professional M.S. in Computer Science | Simon Fraser University (SFU), Canada *Sep 2022 - Apr 2024*

Notable Coursework: Programming for Big Data, Distributed & Cloud Systems, Machine Learning, Statistical Learning

B.Tech in Computer Science | Vellore Institute of Technology (VIT), India *Jul 2014 - Apr 2018*

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 **Flask** app processing 10k+ user stories on Azure **DevOps**, integrated Azure **GPT** for improvement, reducing **90%** in QA time
· Implemented Selenium WebDriver for automated testing in Azure **CI** pipeline, reducing testing time by **85%** and enabling automation
· Developed **Python** script for Azure Repos & Pipeline data retrieval, optimizing with **SQL DB** for **30%** faster storage and management
· Utilized **Power BI** to create insightful visualizations, leading to quicker data-driven insights and enhancing decision-making
· Proposed a crowd-counting Azure-based solution for train platforms, presented at a hackathon, highlighting effective **communication**

Project Lead | SFU Blueprint, Canada (Volunteer) *Sep 2023 - Dec 2023*

· Led and developed a club website using HTML, CSS, and **React**, to amplify the club's visibility and enhance reach to nonprofits
· Configured **GitHub Actions** with YAML for automated testing, building, and deployment on Vercel, streamlining the release process

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

· Built and deployed a scalable intelligent bot capable of handling **20k+** employees, resulting in **35%** lower service tickets
· Integrated Azure Cognitive Services using **Node.js** at the backend, enabling the bot to understand user intent in **7** different languages
· Integrated **Application Insights** for data collection, giving data-driven optimizations and achieving a **15%** increase in user review rating
· Enabled fault tolerance and higher availability by deploying backup servers across multiple AZs, achieving **99.95%** availability
· Developed REST **APIs** in **Express.js** to create support tickets and connect live agents, resolving unhandled bot intents promptly

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

· Used **Neo4j** DB to analyze simulated transactions, boosting accuracy by **15%** in detecting money laundering and faults transactions
· Extracted and processed data (**Python)** for a text-to-audio ML model, enhancing its performance by **5%** for domain-specific keywords
· Collaborated in a team of 10, delivered client **demos**, and achieved milestones through effective **communication** and **teamwork**

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
· Leveraged React's **JSX** syntax for declarative UI development, ensuring code readability and maintainability
· Implemented a **modular** approach by storing data in a separate **JS** file, facilitating easy content updates

Yelp Data Analysis and Review Prediction | SFU, Canada *Sep 2022 - Dec 2022*

· Used **PySpark** to analyze JSON files, identified users and review trends over the last **15** years to understand growth
· Utilized **SparkML** to establish a relationship between the user and business attributes, predicting user ratings for businesses
· Conducted sentiment analysis on review text using **NLTK** and **Textblob** library, incorporating findings into the prediction model