Sumir Srivastava

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Skills Summary

- **Technical Skills**: .NET Core 6, C#, React, Python, C++, Azure Cloud Services, AWS
- **Tools**: Oracle DB, PostgreSQL, GIT, GitHub, MySQL
- **Soft Skills**: Public Speaking, Strategic planning, Critical thinking, Team collaboration
- **Languages**: English, Hindi

Experience

- **Shell India Markets Pvt Ltd.** Bengaluru
  Associate Software Engineer *- Full Stack Engineer (Full-time)* *August 2023 - Present*
  - **Technical and Domain**: Supported enhancement requests and efficiently completed all enhancements while maintaining high-quality standards. Acquired in-depth knowledge of the technical and functional aspects of Market Risk domain.Understanding of SAS programming language.
  - **Developed and delivered a POC for Risk Portfolio**: This Proof of Concept (POC) included a front-end built with React and a back-end and API developed using the .NET Core framework and Azure SQL DB, aimed at enhancing efficiency and saving time.
  - **Optimized Production Deployment Workflow**: Collaborated with the lead developer to ensure seamless production deployments, addressing and resolving any deployment issues. Assisted in the migrations and created the pipelines for CI/CD implementations.
  - **Created Workflow using Power Platform**: Extensively utilized Power Automate and Power BI to develop a flow that streamlines processes and improves efficiency.
- **Birlasoft Ltd.** Noida
  Software Engineering Intern *(Intern)* *May 2022 - August 2022*
  - Created CI/CD pipelines on Azure DevOps to integrate various tools and services.
  - Implemented security measures, including software composition analysis (SCA), static application security testing (SAST) and dynamic application security testing (DAST).
  - Deployed the web-application on Azure Cloud for the project.

Education

- **Amity University, Noida** Uttar Pradesh, India
  Bachelor of Technology - Computer Science; *July 2019 - June 2023*
  Courses: *Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases*

Projects

- **WayLane - Path Detection for Self-Driving Carts**: *https://github.com/sumir007/way-lane* - A quick and robust method that can easily detect lanes in a live video feed or a pre-recorded video stream. This framework effectively combines the OpenCV's canny edge algorithm with the Hough transform function so it can be applied in small scale applications. Testing and analysis of the program show that the suggested software is very reliable and ready to deploy.
- **AI based Real Time Vehicle Speed Detection using Deep Learning**: Developed a system using deep learning techniques, specifically Single Shot MultiBox Detector (SSD), to accurately detect vehicle speeds in real-time. Output shows speed of vehicles along with tags and colored indicators to show violations.

Certifications

- **Azure Cloud**: Cloud Fundamentals, Data Fundamentals and AI fundamentals - *view certificate*
- **Cisco CCNA**: Introduction to Networks - *view certificate*
- **AWS Cloud Practitioner**: Cloud Essentials - *view certificate*

Publications

- **Research Paper: Path Detection for Self-Driving Carts by using Canny Edge Detection Algorithm**: *IEEE(Click to view)* Conducted research and developed a system using the Canny Edge Detection Algorithm to enhance path detection for self-driving carts.
- **Research Paper: AI based real time Vehicle speed detection using Deep Learning**: Authored a research paper on developing a system using deep learning techniques, specifically Single Shot MultiBox Detector (SSD), to accurately detect vehicle speeds in real-time.