SOHAM SHARMA

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OBJECTIVE

Software Engineer with internship experience in Software Development/Testing, seeking full-time Development roles.

EDUCATION

Master of Computer Science, Purdue University   Expected May, 2025
Relevant Coursework: Data Structures & Algorithms, Artificial Intelligence, Data Mining, Cryptography.

Bachelor of Computer Science, The Pennsylvania State University   Aug 2019 - May 2023
Relevant Coursework: DSA, Computer Architecture III, FPGA, OS, Computer Vision, Discreet Math, EE III.

SKILLS

Technical Skills	Python, C, Verilog, JavaScript, HTML/CSS, PHP, MySQL, Java
Libraries and Tools	TOSCA, JIRA, QTest, PySpark, TenserFlow, Pandas, NumPy, Deep Learning, LLM
Soft Skills	Team Collaboration, Problem Solving, Adaptability, Agile coding, Time Management

EXPERIENCE

Application Development Intern   May 2024 - Present
Blue Cross and Blue Shield of Alabama   *Birmingham, AL*

- Developed and executed comprehensive tests for multiple software applications, achieving a 95% defect detection rate and ensuring a successful launch.
- Collaborated closely with development teams to identify and resolve critical defects, resulting in a 70% reduction in post-release issues and improving overall software quality.
- Implemented automated testing frameworks and tools (TOSCA, JIRA, QTest), increasing testing efficiency by 30% and reducing testing time by 25%.

Software Engineering Intern   June 2021 - Aug 2021
Hero MotoCorp   *Delhi, India*

- Automated 100% of GST (General Sales Tax) invoice generation and upload for Flipkart and Amazon using Python scripts on Hero's Business Content Management Platform.
- Accelerated project timelines by 33%, successfully completing the project in 2 months instead of the planned 3 months, significantly improving delivery efficiency.
- Optimized GST data generation and storage processes on the company's internal database, resulting in significant weekly savings of 100 man-hours.

PROJECTS

Demystifying Used Car Market Dynamics Designed an AI model to predict used car prices with 84% accuracy, utilizing SHAP, LIME, and DICE for feature impact analysis, interaction exploration, and counterfactual analysis, enhancing negotiation and decision-making insights.

Database Management for Glass Re-Circulation Developed a database management system for Remark Glass using Python, SQL, and GoDaddy servers, reducing paperwork and data entry errors by 90%, and improving scanning and accounting speed by 80% with 100% precision.

Voltage Controlled Audio Output Device Engineered a circuit to convert voltage input into immersive audio, utilizing potentiometers, capacitors, resistors, and integrating LED lights for volume detection with 90% accuracy.

CERTIFICATIONS

- IBM Machine Learning Professional Certificate
- Automating Web Application Testing (AS1) & Optimizing Test Automation with Centralized Test Data (AS2)