Saarthak Sharma
sharm157@msu.edu | (248)-206-9746 | https://www.linkedin.com/in/saarthaksharma1/

Objective

Equipped with a strong technical skill set, I am eager to leverage my talents to contribute to a collaborative and positive work environment while expanding my expertise in the field of software engineering, database development, data science, artificial intelligence, and cyber security.

Education

Michigan State University, College of Engineering   **East Lansing, Michigan**
Bachelor of Science, Computer Science Major with Minor in Business   Expected: May 2025
- Cumulative GPA: 3.62/4.00, Dean's List (All Semesters)
- Relevant Coursework: Intro to Programming I/II, Data Structures/Algorithms, OOP Software Design, Computer Architecture/Systems

Work Experience

Mercedes-Benz Financial Services | Farmington Hills, MI   **May 2024 - August 2024**
Information Technology Intern
- Conducted Gitleaks scans across 10 critical internet-facing application repositories, leveraging Python scripts for JSON data parsing to address vulnerabilities such as exposed API keys, tokens, and credentials
- Developed a data dashboard with all potential vulnerabilities discovered for efficient code cleanup.
- Created a SQL database for DevOps from CSV files utilizing Python and SQL queries, significantly enhancing accessibility and data retrieval.
- Formulated educational programs on security awareness and GEN AI, promoting a proactive approach to future technological challenges.

Yazaki North America Headquarters | Canton, MI   **May 2023 - August 2023**
Quality Assurance Methods Intern
- Orchestrated successful external/internal audits, ensuring adherence to rigorous industry standards for wire harness and connector quality in automotive vehicles.
- Leveraged programming techniques in JSON, CSS, and JavaScript to elevate front-end development of SharePoint list data.
- Utilized Power BI for data input processes of wire harness information to further drive data management efficiency.
- Elevated data integrity through secure data transfer from Excel to SharePoint, improving data integrity and information management.

Michigan State University's Math Department | East Lansing, MI   **September 2022 - Present**
MLC Monitor
- Collected and analyzed data for the Math Department at Michigan State University to identify students in need of academic assistance in specific math courses.
- Collaborated with students to schedule and track math tutoring sessions, utilizing effective communication skills and keen attention to detail to ensure accurate support.

Troy School District Technology/Services Building | Troy, MI   **July 2019 - August 2019**
Student Technician Intern
- Enabled student success in the TSD by authorizing distribution of iPads to facilitate remote learning and academic engagement.
- Streamlined the TSD computer labs by performing critical upgrades, including new RAM, storage drives, rewiring school buildings, and replacing outdated monitors, resulting in a seamless transition for students learning environment.
- Demonstrated problem-solving skills by identifying technical issues and presenting innovative solutions to team lead, enhancing overall system functionality, and minimizing disruptions to learning.

Project Experience

Jira/Confluence CSV to SQL Database Migration Project | Mercedes-Benz Financial Services   **July 2024 - August 2024**
- Collaborated with a team of interns to migrate user access lists for Jira and Confluence from CSV files to a SQL database through Python scripts.
- Learned how MBFS' internal OpenAI API calls were integrated for significantly increased data retrieval.

Service Trail Mobile Application
Software Developer
- Collaborated with a team of six, under a team lead, in designing the "Service Trail" app using Flutter and Google Firebase, enabling users to explore and create community service opportunities, with a focus on user-friendly design and cross-platform functionality.
- Concentrated focus on the app's management page, ensuring the verification of legitimate service opportunities and organizational integrity, thereby establishing a secure platform for community engagement.

Skills

- **Programming Languages:** Python, C++, Java, HTML, JavaScript, JSON, SQL, CSS, Flutter, Linux
- **Tools:** Android Studio, Visual Studio Code, GitHub, Gitleaks, Linux Systems, Google Firebase, Trello, Microsoft Azure, Microsoft Office, Adobe Software,
- **Others:** Sprint Planning, Data Migration, Pair-programming, Agile Development, Documentation, Database Entry, API
- **Traits:** Adaptable, Open-minded, Innovative, Motivated

Miscellaneous

- Bilingually trained in multiple languages like **English, Hindi, Punjabi, and Spanish**
- **Logistics Specialist** on the Executive Board of **MSU Jawani** - MSU's Competitive Bhangra Team
  - Ranked #1 All Collegiate Bhangra Team in the U.S in 2024
- Instructed MSU students in Bhangra dance through the Coalition of Undergraduate Students (CIUS), fostering cultural engagement and community involvement.