

# Sheraz Javed

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## **Education:**

### **Bachelor of Science in Electrical and Computer Engineering**

Wayne State University – Detroit, Michigan Expected Graduation year: 2028 | GPA: 3.94

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## **Experience:**

### **Kautex Textron**

*Detroit, MI – Quality Engineering Intern 6/2025 – 8/2025*

- Quality reviewed for GM, Ford, and Stellantis, providing detailed risk aversion strategies to ensure the utmost quality.
- Learned and applied core manufacturing and quality basics in real-world production environments.
- Worked in a cross-functional and interdisciplinary team to meet and maintain peak operational performance.
- Problem-solved and resolved recurring production issues using structured A3 problem-solving methods.
- Studied International Automotive Task Force (IATF) standards to support compliance and process consistency.
- Operated Atos Scan-Box and Scan Web systems to make highly precise and consistent 3D measurements and scans.

### **Red Run Golf Club**

*Royal Oak, MI – Server 8/2023 – Current*

- Delivered exceptional and personalized service to patrons of the country club, ensuring a positive guest experience.
- Gained valuable experience through networking and consistently demonstrated strong verbal communication skills.
- Quickly learned and applied the company's troubleshooting processes to efficiently provide high-quality technical or customer service.

## **Technical Skills:**

- Programming: MATLAB, Java, C++, Verilog
  - Software/Tools: NX CAD, CURA, Excel, Atos ScanBox, ScanWeb, Microsoft Applications
  - Other: 3D Printing, A3 Problem Solving, Quality Standards (IATF)
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## **Technical Projects:**

### ***Line-Following Car — Wayne State University***

*Oct 2024 – Dec 2024*

- Designed and programmed an autonomous car using Arduino and C++ to follow a predefined path based on inputs.
- Collaborated in a team to develop algorithms, optimize path tracking, and 3D model the chassis using CAD tools.
- Strengthened skills in embedded systems, team-based problem solving, and engineering design workflow.

### ***Nutrition Data Analysis Tool — Wayne State University***

*Apr 2025 – May 2025*

- Developed a modular data analysis program in MATLAB to process nutritional data from over 3,000 food items.
  - Implemented user-defined functions to calculate statistics, filter data by thresholds, and sort nutrients by value.
  - Designed a menu system to allow users to visualize scatter plots, display top food items, and apply nutrient filters.
  - Created a linear regression model to predict caloric values based on Fat and Protein content.
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## **Leadership & Organizations:**

- Member, IEEE (Institute of Electrical and Electronics Engineers)
- Member, MSE (Muslim Society of Engineers)