

# SOHAIB RAJA

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## EDUCATION

<b>Texas A&amp;M University</b>	Bachelor of Science in Computer Engineering Minor: Mathematics Final GPA: 3.71	May 2024
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## EXPERIENCE

<b>Paycom</b> – <i>Software Development Intern</i>	May 2023 – August 2023
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- Developed a full-stack web application to streamline visualization and management of millions of prospects
- Implemented a robust CI/CD pipeline in GitLab for automated build, testing, and deployment processes
- Leveraged React, PHP, TypeScript, and MySQL to ensure compatibility with existing Paycom services
- Orchestrated and monitored the progression of development throughout the project lifecycle using Jira

<b>Korbyn</b> – <i>Full-Stack Software Engineering Intern</i>	October 2022 – November 2022
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- Engineered a Django-based web application offering analytic tools to TikTok creators for account growth
- Employed HTML, CSS, and JavaScript to construct the user interface and integrate data from a Python API
- Participated in bi-weekly meetings utilizing Agile practices to foster collaboration with fellow developers
- Ensured comprehensive code quality by maintaining over 90% coverage with the Unittest framework

<b>Texas A&amp;M University</b> – <i>Student Assistant</i>	January 2022 – May 2024
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- Facilitated practical application of classroom physics concepts for hundreds of undergraduate engineers
- Educated students on physics principles and analytical methods to interpret their observations effectively
- Debugged and troubleshooting Python scripts utilized for the acquisition and analysis of laboratory data
- Evaluated student laboratory reports and verified the accuracy of their conclusions and reasoning

## PERSONAL PROJECTS

<b>Car Guardian: Intelligent Dashcam</b> – <i>React.js and YOLOv8</i>	May 2024
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- Retrofitted older vehicles with modern technologies to improve vehicle safety and reduce traffic incidents
- Designed hardware and software solution utilizing CUDA Toolkit, Flask, PyTorch, React.js, and YOLOv8n
- Ensured over 85% accuracy in object detection and 10% margin of error in distance calculations

<b>Pom &amp; Honey Point of Sales System</b> – <i>Vue.js</i>	April 2023
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- Built a unified web application experience tailored to the diverse needs of managers, servers, and customers
- Developed a RESTful C# API utilizing .NET, Dapper, and NUnit enhancing the application's reliability
- Implements role-based permissions to safeguard confidential information from unauthorized access

## SKILLS

**Programming:** C++, C, C#, Python, Java, PHP, Git, Verilog, HTML, CSS, JavaScript, TypeScript, React.js, Vue.js, Django Web Framework, Node.js, Express.js, MySQL, PostgreSQL, and SQL

**Software:** Vivado Design Suite, NI MultiSim, LTSpice, Autodesk Suite, Microsoft Office, and Unreal Engine 5

**Operating Systems:** Proficient with Windows, Linux, and macOS

**Languages:** Fluent in English and Urdu

## IMPORTANT LINKS

LinkedIn: <https://www.linkedin.com/in/sohaib-raja-6a6805213>

Personal Website: <https://www.sohaibraja.com>

Personal Projects: <https://github.com/sraja1114>