

SOHAIB RAJA

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Irving, Texas 75039 • (832) 931-8240

EDUCATION

Texas A&M University	Bachelor of Science in Computer Engineering Minor: Mathematics Final GPA: 3.71	May 2024
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EXPERIENCE

Paycom – Software Developer	June 2024 – Current
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- Developing and improving Paycom applications and services for transmitting client benefit data to carriers
- Partnering with cross-functional teams to deliver well-architected solutions meeting precise specifications
- Engineered and led multiple data automation solutions, eliminating over 30,000 manual tasks and saving over hundreds of hours for Paycom's benefit coordinators
- Employing technologies such as C#, React.js, PHP, TypeScript, and MySQL, along with project management tools like Jira, to develop efficient and scalable solutions
- Leveraging GitLab CI/CD pipelines for containerized deployment and automated testing with Docker

Paycom – Software Development Intern	May 2023 – August 2023
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- Designed 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
- Employed React.js, PHP, TypeScript, and MySQL to ensure compatibility with existing Paycom services

Texas A&M University – Student Assistant	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 troubleshooted Python scripts utilized for the acquisition and analysis of laboratory data

PERSONAL PROJECTS

Car Guardian: Intelligent Dashcam – React.js and YOLOv8	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

Pom & Honey Point of Sales System – Vue.js	April 2023
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- Built a unified web application experience tailored to the diverse needs of managers, servers, and customers
- Developed a C# API utilizing ASP.NET Core, Dapper, and NUnit to enhance 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, Docker, 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>