

Irfan Hussain

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EDUCATION

Purdue University

Bachelor of Science in Computer Science

- Certificate in Entrepreneurship and Innovation

West Lafayette, IN

May 2025

WORK EXPERIENCE

Software Engineer Intern

Elevance Health

May 2024 – August 2024

Indianapolis, IN

- Developed automated test scripts using Java and Selenium following CI/CD pipeline strategies.
- Led software refactoring by modifying the framework and structure to increase performance and maintainability.
- Improved data accessibility and reliability by developing secure queries and encrypting information.

Software Engineer Intern

Allied Solutions

May 2023 – August 2023

Carmel, IN

- Increased workflow success rates for insurance companies by adding and enhancing custom components.
- Bolstered automated processes by effectively handling errors and reducing exception frequencies.
- Drove architectural planning and sprint execution, ensuring timely delivery of new features.

PROJECTS

ML Stock Price Forecaster | *Python, LSTM*

May 2025

- Developed an LSTM-based neural network in Python to predict future stock prices using historical market data.
- Utilized Pandas, NumPy, and Matplotlib to clean, analyze, and visualize stock trends for better model performance.
- Integrated live stock data via financial APIs to enhance prediction accuracy and support real-time analysis.

Full Stack Event Management Platform | *React, Node.js, MongoDB*

January 2025

- Built and deployed a full-stack event management web application, enabling users to create, discover, and manage campus events efficiently.
- Streamlined campus engagement by providing students and organizers with an intuitive platform to track participation and promote events.
- Containerized the application with Docker and deployed it on AWS, ensuring scalable performance and reliable access for university community users.

TECHNICAL PRESENTATIONS

Enhancing Insurance Claim Verification

Elevance Health - Individual Presentation

August 2024

Indianapolis, IN

- Reduced manual errors by 35% by proposing automation to verify claim numbers and eliminate repetitive tasks.
- Improved code reliability by highlighting testing frameworks and data validation strategies to management leading to stronger QA practices and fewer post-deployment issues.
- Delivered efficient test scripts that reduced verification time and improved claim validation accuracy by 30%.

Automation in Talent Acquisition

Allied Solutions - Individual Presentation

August 2023

Carmel, IN

- Increased screening efficiency by 28% using intelligent document processing on unstructured resume data.
- Reduced cost per hire by 18% by outlining automated solutions to HR leadership that streamlined recruitment workflows and minimized manual labor.
- Initiated cross-departmental projects between HR and the RPA team to identify and automate high-impact workflows, improving process alignment and reducing manual workloads.

SKILLS & TECHNOLOGIES

Programming Languages: Python, SQL, React, JavaScript, Java, C++, C

Programming Frameworks/Tools: Node.js, AWS, SaaS, Django, Spring Boot, Docker, Kubernetes, Git

Technical Skills: Agile, Scrum Master, Presentations, Database Management, SDLC