

KUSH PAMNANI

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Education

Iowa State University

Ames, IA

Bachelor of Science - Computer Science

Expected: December, 2025

• **Relevant Coursework:** Object Oriented Programming, Data Structures, Algorithms, Software Development, Construction of User Interfaces, Computer Architecture

Skills

Languages: Java, Python, TypeScript/JavaScript, C, C++, C#

Frameworks and Libraries: Angular, React, Express, Node.js, Ionic, Bootstrap, Spring Boot

Databases: MySQL, PostgreSQL, MongoDB, MS SQL Server

Tools and Technologies: Git, GitHub, GitLab, Postman, Html5, Css3, VS, VS Code, Jenkins, Eclipse, IntelliJ

Professional Experience

Copeland

Sidney, OH

Software Engineering Intern: Digital Tools and Mobile Apps

May 2024 – Present

- Testing an innovative AI Chatbot feature for Copeland Mobile App, enabling efficient multilingual knowledge processing for over 100K global users
- Developing an enhanced UI for Copeland Mobile App's new HVACR fault-finding feature, inspired by industry-leading solutions (100+ positive user reviews), using Angular and Ionic to expand compressor troubleshooting functionalities by ~35%
- Led daily standup discussions within a cross-functional team of 7+ software engineers, proposing and implementing innovative features

Emerson

Sidney, OH

IT Co-Op: Advanced Engineering Team

August 2023 – December 2023

- Developed and deployed a client dashboard, empowering over 1000 customers with real-time data, leveraging Python and Ignition to continuously enhance functionality and deliver an exceptional user experience
- Optimized the performance of Ignition Gateway Network Logs by ~70%, used by various internal engineering teams
- Migrated and tested over 450 PLC data points from MS SQL Server to Ignition Perspective, ensuring accurate and live implementation, showcasing proficiency in data migration processes

Kingland

Ames, IA

Data Research Analyst Intern

October 2022 - June 2023

- Architected and implemented a high-performance data validation system, processing over 800 complex data entries for investment vehicles and diverse company types with a 95%+ accuracy rate
- Consistently ranked in the top 5 percentile for 7 consecutive weeks, demonstrating exceptional accuracy and efficiency in reviewing complex data entries

Personal Projects

CyQuiz: *Git, GitHub, Java, Spring, MySQL, Postman (Android App)*

January 2024 – May 2024

- Led backend development for CyQuiz, an educational Dungeon Crawler game targeting middle school students.
- Engineered live messaging and team play features integrating Websockets, enhancing user engagement by 22%
- Reduced Development Code Deployment time by ~10% using Jenkins CI/CD Pipelines on Gitlab
- Achieved functional and system testing with a test coverage of 86.4% and a code coverage of ~80%

CatalogueCraft, *Full-Stack Web Application*

March 2024 – May 2024

- Developed CatalogueCraft using MERN stack (MongoDB, Express, React, Node.js) to streamline product catalog management for online stores, ensuring real-time updates, resulting in a 25% increase in operations
- Implemented MongoDB architecture for secure and scalable data management, ensuring the application can handle large volumes of product data, supporting up to 1 million entries
- Leveraged React and Bootstrap to enhance user interface, leading to a 30% increase in user engagement metrics

Leadership Experience

Indian Students' Association

February 2023 – February 2024

President

- Led 12 meetings throughout each semester with preparation, updates, and relevant information
- Orchestrated a series of large-scale events, attracting over 1200 people, with a remarkable 7% increased retention rate
- Spearheaded high-impact meetings with 10+ university official departments, advocating signature event ideas and strategies