





Yash Ananta Zode

 [yashzode.github.io](https://github.com/yashzode)
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Education

University of Wisconsin-Milwaukee

Master of Science in Computer Science

September 2023 – May 2025

Milwaukee, Wisconsin, USA

- Relevant Coursework: Data Structure and Algorithms, Cloud Computing, Natural Language Processing, Machine Learning, Intelligent User Interface, Server Side Programming

Savitribai Phule Pune University

Bachelor of Technology in Computer Engineering

August 2016 – May 2020

Pune, Maharashtra, INDIA

- Relevant Coursework: Data Structures, Algorithms, Object-Oriented Programming, Database Management Systems, Advanced Object-Oriented Programming

RELEVANT SKILLS

Programming Languages Java, Python, C++

DevOps Tools Amazon Web Services (AWS), Microsoft Azure, Docker, Jenkins, Git, GitHub

Databases MySQL, PostgreSQL, MongoDB

Web Development Angular, JavaScript, TypeScript

Networking OPC UA, OPC DA, IPv4, IPv6

Automation Testing Selenium, JUnit, Robot Framework

EXPERIENCE

University of Wisconsin-Milwaukee

Teaching Assistant

August 2024 – Present

Milwaukee, WI

- Teach over 100 undergraduate students in Intermediate Computer Programming using Java, focusing on Data Structures and Algorithms (DSA) such as arrays, linked lists, stacks, and trees.
- Guide students in optimizing algorithms for sorting, searching, and memory management, improving their coding efficiency by 30% in lab exercises and assignments.
- Evaluate student projects, providing feedback that led to a 20% reduction in runtime complexity through optimized code implementations.

Cognizant Technology Solutions Corp

Software Engineer

November 2022 – August 2023

Pune, INDIA

- Developed and enhanced software components for Mercedes Benz, increasing service efficiency by 15%, leading to an estimated annual savings of \$500,000 for the client.
- Architected a microservices architecture using Java and Spring Boot, reducing deployment time by 20%, which cut down production delays by 5 hours per deployment cycle.
- Spearheaded the redesign of the invoice printing process, improving efficiency by 25%, reducing paper waste by 40%, and saving approximately \$30,000 annually in printing costs.

Comau India Pvt. Ltd

Software Engineer

October 2020 – November 2022

Pune, INDIA

- Built Spring Boot applications using Java, improving client satisfaction by 100%, resulting in a 5-star rating on post-project client surveys.
- Reduced code redundancy by 18% and increased system performance by 72%, decreasing processing time from 10 seconds to 2.8 seconds on critical system transactions.
- Orchestrated over 45 Agile sprint sessions, reducing software bugs by 30%, which improved the product release cycle from 3 months to 2 months.

RELEVANT ACADEMIC PROJECTS

Machine Learning : Image Classification Using Convolutional Neural Network (CNN)

2024

- Engineered two CNN models, achieving 97.34% training accuracy and 68.50% test accuracy, improving generalization by reducing overfitting
- Fine-tuned EfficientNetV2S, enhancing test accuracy to 89.45%.
- Assessed model performance using confusion matrices to resolve misclassifications.

Natural Language Processing: Sentiment Analysis Using DistilBERT

2023

- Trained and fine-tuned the DistilBERT model on the SetFit/sst2 dataset, achieving 80.9% test accuracy for binary sentiment classification. Implemented tokenization and attention masking for input preprocessing. Analyzed model performance by comparing predictions against actual sentiments using confusion matrices.

CloudEduTrack: Accessible Online Quiz System

2023

- Designed and developed an online quiz platform for users with motor and visual impairments, enabling 30% faster interaction through voice-activated features.
- Integrated customizable UI elements, improving accessibility for visually impaired users by 40% based on usability tests.
- Analyzed user interaction data post-launch, leading to a 20% improvement in engagement rates while transitioning from traditional quiz formats; insights directly influenced future development strategies for enhanced interactivity.

PUBLICATIONS

Research paper Card Payment Using Three-Way Security (Journal: JETIR, February 2020)

Certifications Red Hat Certified System Administrator (RHCSA)

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