

Yash Harikrishna Barot

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EDUCATION

Southeast Missouri State University

Aug 2023 – May 2025

Master of Science, Applied Computer Science | GPA: 3.89/4

Rashtriya Raksha University

Aug 2018 – Jun 2022

Bachelor of Technology, Computer Science and Engineering | GPA: 3.85/4

EXPERIENCE

Southeast Missouri State University

Cape Girardeau, MO

Graduate Assistant

Aug 2024 - Present

- Guide 20+ students, leading to a 15% average improvement in their project grades.
- Facilitate teaching, including grading for over 150 students per week and conducting lab sessions.
- Deliver technical support for 15+ IoT and cybersecurity research projects, assisting 50+ users and boosting lab efficiency by 30%.

Southeast Missouri State University

Cape Girardeau, MO

Student Research Worker

Jan 2024 – May 2024

- Directed development of internal tools, boosting research efficiency by 30% through Agile practices.
- Evaluated and resolved user requirements, improving tool usability by 20%.
- Diagnosed and resolved application issues using Python and SQL, reducing downtime by 15%.
- Improved data models and code, leading to a 25% increase in process efficiency.

Tata Consultancy Services

Gandhinagar, India

Systems Engineer

Jul 2022 – Aug 2023

- Engineered CRM and financial systems, increasing client management efficiency by 40%.
- Acted as a key liaison, translating business needs into technical solutions, resulting in a 30% process improvement.
- Utilized flowcharting techniques to design IT solutions, leading to a 25% reduction in operational issues.
- Executed root-cause analysis, addressing complex coding problems, and enhancing system performance by 20%.

Virtual Testing Foundation

Remote (USA)

Penetration Testing Intern

Oct 2021 – Dec 2021

- Performed vulnerability assessments and penetration testing on 20+ systems using Kali Linux and generated detailed reports for 10+ clients.
- Engaged with the cybersecurity community by participating in 5+ industry events and forums.

PROJECT

JobEaseAI

Jul 2024 – Present

- Streamlining application processes by 60% through advanced automation of form filling and resume parsing.
- Crafting the frontend with React and architecting the backend using Node.js/Express, while implementing OAuth for robust security.
- Attaining 95% accuracy in resume parsing with SpaCy and TensorFlow, and orchestrating browser automation with Puppeteer.

SKILLS

Programming Languages: C++, Java Python, PowerShell, Shell Scripting, HTML, CSS, MySQL

Frameworks: Django, React JS, TensorFlow, Spacy

Tools & Technologies: Git, Azure, AWS, Linux, OWASP, SailPoint IdentityNow, Postman, Docker, Jenkins

Concepts: Object-Oriented Design, Data Structures, Algorithms, Computer Networks, DBMS

CERTIFICATION & AWARDS

- Certified: AZ 900 Azure Fundamentals.
- Won 1st place at the Code Swap Challenge, Lakshya Event 2020, LD College of Engineering, Ahmedabad (Feb 2020).