

## Yousra Hanif

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### Professional Summary

Results-driven Software Engineer with 2+ years in full-stack development. Proficient in Java, Python, and JavaScript, with a strong track record in agile methodologies and cloud technologies. Delivered scalable solutions and optimized performance for high-impact projects.

### Work Experience

#### Software Engineering Fellow | Headstarter AI | New York, NY | July 2024 – Present

- Participating in an intensive 7-week program focusing on building AI projects, including creating a portfolio website, developing customer support AI, and integrating OpenAI with AWS.
- Engaging in weekend hackathons, resume reviews, and interview prep to enhance software engineering skills and career readiness.
- Working on unique projects involving React, Next.js, MUI, Firebase, and AWS services.

#### Coding Instructor | The Coder School | Bayside NY | Dec 2023 – Present

- Instruct and mentor 20 students weekly in Python, Java, JavaScript, and Scratch, focusing on object-oriented programming (OOP) principles, data structures, and algorithms.
- Develop and implement customized lesson plans and exercises centered on real-world projects and LeetCode-style problems to enhance students' problem-solving skills and coding proficiency.
- Facilitate web development with React, HTML, CSS, and JavaScript, guiding students in building interactive, responsive applications.

#### Associate Software Engineer | Infosys Limited | Manhattan, NY | June 2022 – Dec 2023

- Transformed monolithic InfyTel project into microservices architecture using Consul, Spring Cloud, and Resilience4J, enhancing scalability and maintainability.
- Developed and optimized learning platform with React.js, CSS, HTML, and Bootstrap, improving user experience and productivity.
- Implemented RESTful APIs for smooth frontend-backend integration and supported backend functionality using Node.js and Express.

### Volunteer Experience

#### Robotics Engineering Instructor | The Coder School | Bayside NY | Summer Code Camp, June 2024

- Conducted robotics engineering workshops using Blockly, teaching students to build and program robots through block-based coding.
- Developed and led hands-on robotics projects, integrating sensors and motors to solve real-world problems and foster creativity.
- Guided students in designing and troubleshooting robotic systems, enhancing their understanding of engineering concepts.

#### Software Engineering Panelist, Exploring Careers in Tech Event | The Flushing International High School | Flushing NY | May 2024

- Provided expert insights on software engineering careers, including industry trends and emerging technologies.
- Addressed challenges and strategies for BIPOC and historically minoritized individuals in tech, focusing on career advancement.
- Collaborated with industry professionals to enhance students' understanding of tech career paths and essential skills.

### Professional Development

#### Full Stack Web Development Course | Programming Hero | Remote | June 2024 - Present

- Comprehensive training in HTML, CSS, Bootstrap, Tailwind, JavaScript, DOM manipulation, and ES6, covering essential front-end technologies and debugging tools.
- Advanced instruction in React, including React Router, Hooks, Context API, and TanStack Query, alongside server-side technologies such as Node.js, Express.js, and MongoDB.
- Developing and securing APIs with JWT tokens, completing 45+ projects and 12 assignments to reinforce concepts and enhance skills.

### Technical Skills

**Languages:** JavaScript, Java, Python | **Frontend Frameworks:** ReactJS, CSS, HTML5, Tailwind, Bootstrap | **Backend + Database:** Node.js, Express.js, Spring Boot, MySQL, SQL, Firebase | **Tools:** Git, GitHub, Postman | **Cloud:** Amazon Web Services (AWS), Microsoft Azure

### Skills

Data Structures & Algorithms, Database Management, Web Development, Object-oriented Programming, Cloud Computing, Troubleshooting

### Academic Projects

#### E-commerce Restaurant Website

- Implemented a robust e-commerce platform for restaurants using Node.js, React, and JSX, facilitating secure menu browsing, food ordering, and seamless access to restaurant services.

#### Full Stack Skincare Platform

- Built a skincare app with Hapi framework, MongoDB, and Firebase, enabling registration, appointment management, ingredient checking, and physician access.

#### Banking Application

- Developed a banking application using Java, Spring Boot, Bootstrap, and HTML, facilitating user login, transaction processing, and transaction history tracking.

### Education

- Master of Science in Computer Science** | Georgia Institute of Technology | Expected: May 2026 | CGPA: 4.0
- Bachelor of Arts in Computer Science** | Queens College, CUNY | 2022 | CGPA: 3.7