

AKANKSHA YADAV

+1(937) 951-0306 ◇ Columbus, OH - Open to Relocation & Remote

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SKILLS

Technical Skills: Python, Java, AWS (Certified Cloud Practitioner), C#, R, SQL, JavaScript, Spring Boot, Flask, Angular, React, AJAX, HTML/CSS, .NET MVC, MongoDB, PostgreSQL, SQL Server, Docker, Jenkins, Git/GitHub, Power BI, Postman, Azure, Heroku, Tableau, MATLAB, PyTorch, OpenCV, Unity, SDLC Scrum

EXPERIENCE

AI Research Assistant

May 2025 – Present

Department of Computer Science, University of Dayton – Dayton, OH

- Trained CNNs & ViTs on FaceForensics++/DFDC, improving deepfake classification reliability by 15%
- Streamlined data preprocessing pipeline to enable faster, repeatable experiments across model architectures

Full Stack Developer (Intern)

Aug 2023 – May 2024

Meadowlawn Condominiums – Cleveland, OH (Hybrid) [\[Project Link\]](#)

- Built a Spring Boot + MongoDB maintenance CRM that reduced resident request delays by 30%
- Implemented Google SSO with Spring Security & OAuth to harden auth and simplify logins.
- Integrated MongoDB for real-time data management and employed RESTful services for CRUD operations
- Automated CI/CD with Docker & Jenkins to cut release time from 2h to 20m and support rapid iterations; Deployed application on Heroku cloud servers

Software Developer (Intern)

May 2023 – Aug 2023

Lavner Education, Carnegie Mellon University – Pittsburgh, PA

- Delivered automated reporting (top-requested feature) using C#, .NET MVC, SQL Server, and Power BI, saving instructors 10+ hrs/wk. Designed optimized SQL schemas, stored procedures, and indexing in SQL Server to improve reporting performance

PROJECTS

Horizon Messenger (MERN)

- Built a full-stack messenger app with public groups and “lucky draw” feature using React, Node.js, Express, and MongoDB. Enabled real-time chat with WebSockets and secured access with JWT; deployed on Heroku.

Published Unity Games (Unity, C#) [\[Zombie Shooter\]](#) [\[Angry Birds Clone\]](#)

- Created Multiplayer third-person shooter and angry birds games using Unity and C#.

Augmented Reality Construction Safety (Research with Prof. Tam Nguyen)

- Developed AR safety training simulations integrating CNNs and Deep Q-Networks, predicting site hazards with 90%+ accuracy.

EDUCATION

Bachelor of Computer Science, University of Dayton

May 2025

- Dean’s Honors List; University of Dayton Global Scholarship
- JP Morgan Chase “Hack for Good” 2024 Participant

CERTIFICATIONS

AWS Certified Cloud Practitioner – Amazon Web Services [\[Show Credential\]](#)

Issued Dec 2024