Yuktha Reddy

yukthareddy09@gmail.com | 716-907-9317 | https://linkedin.com/in/yukthareddy29

WORK EXPERIENCE

J.P. Morgan **Remote**
Software Engineering Virtual Experience - Forage *Nov 2025 - Present*

- Engineered Python and JavaScript microservices to integrate REST APIs for real-time market data visualization.
- Built CI/CD pipelines with automated testing, reducing deployment time by 20% and streamlining code reviews.
- Modeled data-driven components on cloud platforms (AWS) for latency-aware performance analytics and scalability.

University at Buffalo **Buffalo, NY**
Project manager *Aug 2025 - Present*

- Led 4–6 cross-functional teams to deliver 3 web/AI projects using React, PHP, and ML pipelines on sprint deadlines.
- Used Jira and Trello to manage deliverables and timelines, achieving 100% on-time project completion.

Research Assistant — AI-Driven Optical Imaging *May 2025 - Aug 2025*

- Engineered AI-driven computer vision models to enhance OCT resolution and contrast, improving clarity by 40%.
- Developed an image restoration neural network that boosted retinal feature detection accuracy by 35%.
- Collaborated with cross-disciplinary teams to publish and present findings at professional conferences.

EDUCATION

University at Buffalo **Buffalo, NY**
B.S. in Computer Science, Minor in Mathematics *Graduation Date: May 2026*

PROJECT EXPERIENCE

AI-Powered Resume Screener (Fair Hiring Platform) **Buffalo, NY**
Project Lead *Jan 2025 - Dec 2025*

- Engineered an NLP pipeline using spaCy and TensorFlow, enhancing transparency with SHAP and AI Fairness 360.
- Deployed Dockerized microservices on AWS EC2, cutting latency by 40% and improving scalability.

Encrypted Storage Resilient to Compromise (ESRC) **Buffalo, NY**
Project Contributor *Jan 2025 - Dec 2025*

- Developed encrypted-storage components using multi-device secret-share keys, eliminating 100% single-device compromise risk.
- Implemented device authentication and Diffie-Hellman secure channels over NTFY.

HomeMate Web Platform **Buffalo, NY**
Full Stack Developer *Aug 2025 - Dec 2025*

- Built REST APIs with MySQL schemas and indexing, cutting latency by 30% and boosting backend performance.
- Developed a housing platform with search filters, ratings, and roommate tags, boosting engagement by 40%.

LEADERSHIP EXPERIENCE

Telugu Student Association **University at Buffalo**
Founder & President *Aug 2025 - Present*

- Led a 10-member executive board and organized 15+ annual cultural events for 200+ attendees, improving approval speed by 30% and engagement by 40%.

Resident Advisor *Aug 2024 - Present*

- Supported 40+ residents and resolved 50+ issues with 95% satisfaction through structured problem-solving .

SKILLS & INTERESTS

Skills: Python, Java, JavaScript, TypeScript, React, HTML5 / CSS3, REST API integration, Rust, Django, AI/ML, Jira
Database Skills: SQL, MySQL, NoSQL(MongoDB), Schema design, Data management, SFT/RLHF
DevOps / Tools: GitGitHub / GitLabDocker, CI/CD **Cloud Skills:** AWS (EC2, S3, Lambda, IAM)