

Harsha Kanaparthi

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Education

University of North Carolina at Charlotte

Master of Science in Computer Science

Relevant Coursework: Algorithms & Data Structures, Computer Communication & Networks, Data Visualization.

B.Tech, Computer Science, India | 2020–2024

Expected May 2026

North Carolina, USA

Experience

Lineysha & Thevan Software Company — Artificial Intelligence Intern

Andhra Pradesh, India | July 2023 – Dec 2023

- Collaborated on the development of a facial recognition system to identify missing children, achieving 99.41% accuracy using CNNs.
- Built and integrated the model into a Flask + React web app for real-time image processing and user interaction.
- Preprocessed 50,000+ image datasets, applied data augmentation techniques, and evaluated performance using precision, recall, and F1-score.

AICTE (All India Council for Technical Education) — Intern, RPA & Cloud Computing

Virtual | October 2021 – May 2022

- Built chatbots and automated email workflows using Blue Prism, reducing manual support tasks and streamlining internal communications.
- Deployed cloud-based applications using AWS EC2, S3, and Lambda to ensure scalability and minimize deployment time.
- Connected RPA bots with AWS services to automate tasks such as data extraction, report generation, and system monitoring.

Projects

GoWeather – Smart Weather Assistant | Go (Gin), MySQL, JavaScript, OpenWeatherMap API — April 2025

- Developed a real-time global weather tracking app with activity-based suggestions and interactive chat using Go (Gin) and OpenWeatherMap API.
- Designed a responsive, animated UI integrating MySQL for data persistence and JavaScript for dynamic frontend interactions.

QR-based Attendance System — December 2024

- Built a secure attendance system featuring dynamic QR and 6-digit manual codes refreshing every 3 minutes to prevent spoofing and proxy check-ins.
- Implemented geofencing via Google Maps API to restrict check-ins within 0.3 miles and developed responsive dashboards for session management and scanning.

Missing Child Classification System | Python, VGG-Face, Django, OpenCV — May 2024

- Extended internship model into Django-based platform with real-time upload and 99.41% accuracy.

Technical Skills

Languages & Web: C, C++, Java, Python, HTML, CSS, JS, PHP, React.js, Node.js, Angular, Typescript, GraphQL, Jest, Bootstrap, REST APIs.

Databases & Tools: PostgreSQL, SQL, MongoDB, Tableau, Figma, Unit & Integration Testing

Cloud & ML: AWS, Azure, TensorFlow, PyTorch, Keras, scikit-learn, Numpy, Pandas

Certifications

Tensorflow Developer Certification | Azure Developer Associate (AZ 204) | Azure Fundamentals.

Leadership & Activities

President – School of Competitive Coding (SOCC) | Koneru Lakshmaiah University

- Led 20+ events, including coding workshops, hackathons, and structured training sessions, impacting over 200 students and fostering a competitive coding culture.
- Collaborated with industry experts and faculty to deliver seminars on emerging technologies and advanced problem-solving strategies.