

Manogna Challoyu

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SUMMARY

A results-driven developer focused on creating applications that exceed industry standards, with over 3 years of experience in full-stack development. Seeking full-time opportunities starting April 2025 to drive advancement and deliver real-world impact.

EDUCATION

Oregon State University <i>Master of Engineering in Computer Science (Minor: Artificial Intelligence), GPA - 3.66/4</i>	Expected Mar. 2025 Corvallis, Oregon
Jawaharlal Nehru Technological University <i>Bachelor of Technology in Computer Science Engineering</i>	Aug. 2016 – Oct. 2020 Hyderabad, India

TECHNICAL SKILLS

Languages & Frameworks: Python, JavaScript, C++, TensorFlow, PyTorch, Django, Go, Spring Boot, React, Vue, .NET
Tools & Platforms: AWS, GCP, Docker, Kubernetes, Jenkins, Git, Figma
Databases: MySQL, PostgreSQL, MongoDB

EXPERIENCE

Back-End Engineer Intern <i>FlowAI.Tech</i>	Aug. 2024 – Present (Remote) Austin, Texas
<ul style="list-style-type: none">Conducted codebase re-validation, resolving 30+ critical issues, leading to a 25% reduction in processing errors.Integrated over 15 APIs to improve data retrieval speed by 40%.	
Web Assistant <i>Oregon State University – Extension Service</i>	Sep. 2023 – Present Corvallis, Oregon
<ul style="list-style-type: none">Rebuilt and migrated the codebase from Drupal 8 to 10, enhancing functionality with custom modules and hooks.Streamlined content workflows and prioritized metadata management, ensuring compliance with WCAG accessibility standards.	
Software Engineer I <i>FactSet Research Systems Inc.</i>	Nov. 2021 – Sep. 2022 Gachibowli, Hyderabad
<ul style="list-style-type: none">Developed REST API services for FactSet's internal research application (IRN), consolidating 4 HTTP calls into a single request.Improved research note retrieval efficiency by 90% through caching, reducing load times from 2.5 mins to 20 secs.Implemented a notification system, boosting responsiveness to critical updates by 20%.	
Full-Stack Developer <i>Feba Technologies Pvt. Ltd.</i>	Jan. 2020 – Nov. 2021 Begumpet, Hyderabad
<ul style="list-style-type: none">Built a digital vault for WILL-related data with a JSON to PDF module, reducing retrieval time by 40%.Led a training program for 3 interns, helping them transition to full-time junior developers.	

RELEVANT PROJECTS

Conversational AI's Role in Streamlining Web Development 🔄	2019
<ul style="list-style-type: none">Developed a Conversational AI prototype leveraging GPT-4 for NLP to streamline web development, reducing manual tasks by 30% and improving response time by 40%. Integrated multimodal capabilities using CLIP for processing images and videos, with plans for drag-and-drop interfaces and personalized web design features.	
Tarpaulin - Course Management API 🔄	2023
<ul style="list-style-type: none">Built an application to manage courses, assignments, and submissions, featuring user authentication, AWS S3 uploads, and task handling with RabbitMQ. Fully containerized using Docker and deployed on Google Cloud.	

ACHIEVEMENTS & CERTIFICATIONS

- Top 5 Finalist in 2024 WE Local Collegiate Competition *Society of Women Engineers*.
- Reinforcement Learning (IIT Madras), Deep Learning (IIT Kharagpur) *NPTEL*.
- Above and Beyond Award for excellence in performance at *Feba Technologies*.
- Microsoft Technology Associate in Cloud Computing *Microsoft*.

LEADERSHIP & DEVELOPMENT

- Committee Chair & Mentor**, AI Club & AIGSA at OSU.
- Technical Lead**, IEEE Women in Engineering International Leadership Summit, Nagpur - 2020.
- Support Developer**, IEEE Covid Move - IEEE Hyderabad Section.
- Chairperson**, Women in Engineering - AG, IEEE-VBIT SB.