

# Manogna Challoyu

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## SUMMARY

Results-driven full-stack developer with 3+ years of experience and dedication to deliver applications that exceed industry standards and delight end-users. Seeking full-time opportunities in software engineering starting Summer 2025.

## EDUCATION

<b>Oregon State University</b> <i>Master of Engineering in Computer Science (Minor: Artificial Intelligence), GPA - 3.66/4</i>	Expected Jun. 2025 Corvallis, Oregon
<b>Jawaharlal Nehru Technological University</b> <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

<b>Software Engineer Intern</b> <i>FlowAI.Tech</i>	Aug. 2024 – Present (Remote) Austin, Texas
<ul style="list-style-type: none"><li>Conducted codebase re-validation, resolving <b>30+ critical issues</b>, leading to a <b>25% reduction in processing errors</b>.</li><li>Integrated over <b>15 APIs</b> to improve <b>data retrieval speed by 40%</b>.</li></ul>	
<b>Web Assistant</b> <i>Oregon State University – Extension Service</i>	Sep. 2023 – Present Corvallis, Oregon
<ul style="list-style-type: none"><li>Rebuilt and migrated the codebase from Drupal 8 to 10, enhancing functionality with <b>custom modules and hooks</b>.</li><li>Streamlined content workflows and prioritized metadata management, ensuring compliance with <b>WCAG</b> accessibility standards.</li></ul>	
<b>Software Engineer I</b> <i>FactSet Research Systems Inc.</i>	Nov. 2021 – Sep. 2022 Gachibowli, Hyderabad
<ul style="list-style-type: none"><li>Developed REST API services for FactSet's internal research application (IRN), consolidating <b>4 HTTP calls into 1 request</b>.</li><li>Improved research note <b>retrieval efficiency by 90%</b> through caching, <b>reducing load times from 2.5 mins to 20 secs</b>.</li><li>Implemented a notification system, boosting <b>responsiveness to critical updates by 20%</b>.</li></ul>	
<b>Full-Stack Developer</b> <i>Feba Technologies Pvt. Ltd.</i>	Jan. 2020 – Nov. 2021 Begumpet, Hyderabad
<ul style="list-style-type: none"><li>Built a digital vault for WILL-related data with a <b>JSON to PDF module</b>, reducing retrieval time by 40%.</li><li>Led a training program for 3 interns, helping them transition to full-time junior developers.</li></ul>	

## RELEVANT PROJECTS

<b>Conversational AI's Role in Streamlining Web Development</b> 🔄	2019
<ul style="list-style-type: none"><li>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%.</li><li>Integrated multimodal capabilities using CLIP for processing images and videos, with plans for drag-and-drop interfaces and personalized web design features.</li></ul>	
<b>Tarpaulin - Course Management API</b> 🔄	2023
<ul style="list-style-type: none"><li>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.</li></ul>	

## 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.