

# Bhanu Teja Muppala

bhanu.teja.muppala@okstate.edu · 4055646450 · Stillwater (OPEN TO RELOCATION)

LINKEDIN · GITHUB · PORTFOLIO

## PROFESSIONAL SUMMARY

Master's in Computer Science candidate (Oklahoma State University, May 2026) with experience building full-stack AI/ML applications. Skilled in LLM fine-tuning, RAG pipelines, and deploying productive tools using React, Django/FastAPI, PyTorch, and cloud platforms (AWS/GCP). Focused on integrating Generative AI to accelerate workflows and deliver measurable efficiency gains. Seeking full-time roles in AI-driven full-stack development.

## SKILLS

**Languages & Frameworks:** Python, JavaScript/TypeScript, React, Django, FastAPI, Node.js

**AI/ML & GenAI:** PyTorch, Hugging Face Transformers, LLMs (fine-tuning/QLoRA), RAG, Generative AI, NLP, Vector Databases

**Pipelines & Data:** Kafka (real-time), PostgreSQL, MongoDB, Redis, Data Modeling, ETL

**Cloud & DevOps:** AWS, GCP, Docker, Kubernetes, Terraform, CI/CD

**Tools & Productivity:** Render, Streamlit, Tableau, Power BI, Git, Supabase

## EXPERIENCE

### Oklahoma State University, Stillwater, OK

Jan 2025 – Present

#### Student Web Specialist

- Maintained high-traffic university web portals using Python/Django, achieving 99.9% uptime through performance monitoring/tuning.
- Migrated and reformatted legacy content to modern CMS (50+ pages), ensuring WCAG 2.1 AA compliance, branding consistency, and reduced publishing errors.
- Implemented accessibility improvements (semantic HTML, contrast fixes, ARIA attributes, keyboard navigation) across key pages.

### Alvion Global Solutions

Jan 2024 – Jul 2024

#### Software Developer

- Developed scalable RESTful APIs and real-time WebSocket notification system with Java Spring Boot, supporting high-volume traffic and increasing user engagement.
- Contributed to Agile sprints, reducing technical debt through code refactoring and improved CI/CD practices

## PROJECTS

### GRADCRAFT – AI-POWERED RESUME BUILDER | REACT, TYPESCRIPT, SUPABASE, GROQ AI

- Full-stack application using Groq LLM for job description parsing and content optimization.
- Implemented RAG-style keyword extraction, generated ATS-friendly PDFs, and tracked applications.
- Impact:** Accelerated personalized resume creation 5x in simulations; live demo available.

### SMART FARMING SYSTEM | PYTHON, STREAMLIT, SQLITE, KAFKA

- End-to-end IoT + ML pipeline: sensor data simulation → LSTM model training → real-time alerts/dashboard.
- Impact:** Optimized irrigation decisions, reduced simulated water usage.

### ONLINE FARM-BASKET | PHP, MYSQL, KAFKA, JAVASCRIPT

- Full-stack e-commerce platform with real-time inventory management.
- Impact:** Streamlined farmer-to-consumer connections with live updates.

## EDUCATION

### OKLAHOMA STATE UNIVERSITY, STILLWATER, OK

EXPECTED MAY 2026

#### MASTER OF SCIENCE IN COMPUTER SCIENCE

### SREE VIDYANIKETHAN ENGINEERING COLLEGE

2021 – 2024

#### BACHELOR OF SCIENCE IN COMPUTER SCIENCE AND SYSTEMS ENGINEERING