



# Vighneswara Manda

Software Engineer | Full-Stack & Cloud Computing | AI Enthusiast | Azure & AWS Certified

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Balabhadrapuram, India

## Summary

Motivated computer science graduate with a strong foundation in cloud technologies (Azure & AWS) and basic programming knowledge. Eager to transition into a Salesforce career path and currently preparing for Salesforce training. Quick learner with problem-solving skills and interest in CRM platforms, cloud solutions, and business applications.

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## Software Development & AI Research Interests

- Web Development (HTML, CSS, JavaScript – basics)
- Cloud Computing (Azure, AWS)
- Generative AI & Large Language Models (LLMs)
- Natural Language Processing (NLP) & Retrieval-Augmented Generation (RAG)
- Networking & Security (Wireshark, Cisco concepts)

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## Education

### Master of Science | Computer Technology & Information Systems

Eastern Illinois University | January 2022 – May 2023 | GPA: 3.9/4

Relevant Coursework: Management in Computer Technology, Data Science using Python Programming, Total Quality Systems, Advanced Database Management, Multimedia Technology (JavaScript, HTML), Networking.

### Bachelor of Technology | Computer Science & Engineering

Aditya Engineering College (JNTUK) | June 2016 – October 2020 | CGPA: 6.34/10

Relevant Coursework: Machine Learning, AI, Data Structures, R Programming with Statistics, Computer Graphics, Operating Systems, C, C++, Java, Linux Programming, Database Management System, Software Architecture & Design Patterns.

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## Key Skills

### Programming & Web Development

- Java (Spring Boot), Python (Flask), JavaScript (ES6+), HTML, CSS
- RESTful API Development & Integration
- Frontend Development (basic UI/UX principles)

### Cloud Computing & DevOps

- Azure, AWS, Docker, Kubernetes
- CI/CD Pipelines (Jenkins, GitHub Actions)
- Microservices Architecture & Deployment

### Software Development & Testing

- Software Development Life Cycle (SDLC)
- Unit Testing, Debugging & Performance Optimization

### Databases & Data Analytics

- SQL (MySQL, NoSQL, SQL Server)

### Database Query Optimization & Management

- Data Analytics & Visualization (Pandas, Power BI, Matplotlib, Jupyter Notebooks)

### AI & Emerging Technologies

- Generative AI & Large Language Models (LLMs), NLP and RAG Systems
- AI automation & chatbot development

## **Research & Projects**

### **Resume Processor for Talent Matching**

- Developed an AI-powered resume ranking system using Flask, JavaScript, and MySQL, reducing recruiter screening time by 40%.
- Built RESTful APIs for resume parsing, keyword ranking, and structured JSON output.

### **Job Application Tracker – Automated Email Sending & Recruiter Log**

- Automated job application tracking & recruiter follow-ups using Python & SMTP.
- Integrated Excel-based logging, reducing manual tracking effort by 70%.

### **AI-Powered Telegram Bot for Startup**

- Developed a Telegram chatbot for company FAQs, feedback, and user engagement.
- Deployed on Azure Functions, ensuring scalability & real-time response automation.

### **Basic Voice Bot – Speech Recognition & AI Assistant**

- Built a voice-controlled AI assistant using Google Speech API & pyttsx3 for text-to-speech responses.
- Implemented speech recognition & basic NLP for command processing and hands-free interaction.
- Developed a real-time voice command interface, enhancing user experience with automated responses.

### **Bird Species Identification from Image (bachelor's degree Group Project)**

- Built an image classification system using OpenCV and Python for real-time bird species identification.
- Developed a Flask-based web UI, enabling users to upload images and receive predictions.

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## **Professional Experience**

### **Freelance/Side Works | Trinitii, llc**

Bloomington, IL | November 2023 – Mar 2025

- Assisted a consulting firm with profile marketing for tech staffing contracts.
- Designed and deployed websites for small businesses, including a restaurant.
- Created digital marketing materials (posters, social media campaigns) to support client branding and outreach.

### **Software Developer | Quadrant Technologies**

Redmond, Washington | June 2023 – November 2023

- Built AI-powered NLP models that reduced text classification errors by 25%, improving chatbot accuracy for customer inquiries.
- Built and optimized Python-based APIs for seamless integration between AI models and web applications.
- Implemented data processing pipelines using Azure Data Factory for structured and unstructured datasets.

### **System Administrator | Invimatic Solutions (INTERNSHIP)**

Pune, India | July 2021 – December 2021

- Designed and managed CI/CD pipelines for cloud-based deployments.
- Deployed containerized applications using Docker and Kubernetes.
- Implemented cloud automation for improved software deployment efficiency.

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## **Awards & Certifications**

- **AWS Certified Solutions Architect Associate**
- **Microsoft Azure Administrator Associate**
- **Microsoft DevOps Engineer Expert**
- **Cisco Cybersecurity Essentials**

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## **Volunteer & Freelance Activities**

### **• Freelance Photographer – The Daily Eastern News (Jan 2022 – May 2023)**

Published multiple visual stories, mentored international students in photography.

### **• Student Volunteer – Aditya Engineering College (Aug 2018 – Apr 2020)**

Organized health awareness campaigns and volunteered at campus blood donation events.