

# Vaddadi Veera Venkata Lakshmi Pooja

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## EDUCATION

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### Manipal University Jaipur

B.Tech in Computer Science and Engineering | CGPA: 7.01/10

2021 – 2025

### Aditya Talent School, Kakinada

Senior Secondary – 90% | Secondary – 100% (Perfect Score – Featured in Newspaper)

2018, 2020

## TECHNICAL SKILLS

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**Languages:** Python, Java, JavaScript, C++, SQL, HTML/CSS

**Cloud & DevOps:** AWS, Docker, Kubernetes, Git/GitHub, CI/CD, Terraform, Jenkins, Helm

**Databases:** MongoDB, MySQL

**Development:** Data Structures & Algorithms, Agile/Scrum

**Specialized:** Machine Learning, NLP, Full-Stack Development

**Mobile:** Android Studio, Kotlin, Java

## EXPERIENCE

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### Full-Stack Development Intern – Intrainz Software Solutions

Java, Spring Boot, React.js, AWS, Microservices

Jun 2024 – Aug 2024

- Developed a complete e-commerce platform using microservices on AWS cloud, serving 50,000+ active users. Built RESTful APIs with Spring Boot backend and React.js frontend, ensuring 99.9% uptime.

### Research Intern – Manipal University Jaipur

GPT from Scratch – Python, PyTorch, NLP

Sep 2022 – Dec 2023

- Built a working GPT model using PyTorch with transformer architecture and multi-head attention mechanisms, successfully generating coherent text from training data.

## PROJECTS

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### AI Chatbot Application – [Open App](#)

Python, React.js, JavaScript, Android Studio, REST API, NLP

- Built a General Q&A; AI chatbot using Android Studio with a Python backend and React.js frontend, delivering context-aware natural language responses in real time.

### Enterprise Task Management Platform – [View on GitHub](#)

Spring Boot, Angular, PostgreSQL, Docker, Kubernetes, AWS

- Task management system for 10,000+ users using microservices on AWS with Docker containers, reducing infrastructure costs by 70%.

### CI/CD DevOps Pipeline – AWS & Kubernetes – [View on GitHub](#)

AWS, Docker, Kubernetes, Jenkins, Terraform, Helm, GitHub Actions

- Designed and deployed a fully automated CI/CD pipeline on AWS using Jenkins and GitHub Actions, containerized with Docker and orchestrated via Kubernetes (EKS). Implemented Terraform for infrastructure-as-code and Helm charts for application deployment, achieving zero-downtime rolling updates and reducing deployment time by 60%.

### Handwritten Digit Recognition Web App – [Open App](#)

Python, Keras, TensorFlow.js, HTML, CSS

- Real-time digit recognition web app trained on 60,000 images achieving 99.15% accuracy. Users draw numbers and get instant browser predictions.

### **PoojaNotes – Android Note-Taking App – [Open App](#)**

*Kotlin, Android Studio, Java, XML*

- Android notes app with reminders, folders, search, and cloud backup using Material Design for an intuitive user experience.

### **Facial Emotion Recognition System – [View on GitHub](#)**

*Python, TensorFlow, CNN, OpenCV*

- Real-time facial emotion detection using deep learning CNNs, accurate across varied lighting conditions.

### **AI Text Summarizer Application – [View on GitHub](#)**

*HTML, CSS, JavaScript, Postman API*

- AI-powered web app that summarizes long text into key points. Earned 98/100 in Postman Student Program certification.

### **Hotstar Clone Web**

*HTML, CSS, JavaScript*

- A responsive clone of the Hotstar streaming platform's web interface, replicating the UI/UX design and layout.

### **Clock Website**

*HTML, CSS, JavaScript*

- An interactive clock website featuring a real-time analog and digital clock built with vanilla HTML, CSS, and JavaScript.

### **Snake Game Website**

*HTML, CSS, JavaScript*

- A browser-based Snake game implementation with smooth controls, score tracking, and increasing difficulty levels.

### **Tic-Tac-Toe Website**

*HTML, CSS, JavaScript*

- An interactive Tic-Tac-Toe game with two-player mode and win detection, built using HTML, CSS, and JavaScript.

## **CERTIFICATIONS**

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- Postman: Project Based Learning | Skilljar
- Certificate of Attendance by Red Hat System (RH134) | Red Hat Organizers
- Data Center Virtualization: VMware IT Academy
- Enterprise-grade AI Certificate by IBM | IBM
- AWS Cloud Infrastructure Services Training Certificate
- AWS DevOps & CI/CD Training Certificate
- Kubernetes & Container Orchestration Training Certificate
- Docker Fundamentals & Advanced Containerization Certificate

## **LEADERSHIP & ACHIEVEMENTS**

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- **Dean's List of Excellence:** Awarded during first year at Manipal University for outstanding academic performance.
- **JEE MAINS:** Secured 90.88 percentile in India's most competitive engineering entrance examination.
- **Media Recognition:** Featured in newspaper for achieving perfect 10/10 CGPA in 10th standard.