Ayinala Koteswararao

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PROFESSIONAL SUMMARY

- Results-driven and detail-oriented **B.Tech student in Artificial Intelligence and Machine Learning** with hands-on experience in **AI-powered solutions, data analytics, and full-stack web development**. Skilled in building **NLP applications, machine learning models, and interactive web apps** using Python, Flask, and ReactJS. Known for optimizing workflows, improving model performance, and driving innovative solutions through continuous learning. Seeking opportunities as an **AI Engineer, Data Analyst, or Software Developer** to contribute to scalable and intelligent systems.

EDUCATION

Degree	Institute	Year	Score
B.Tech (AI & ML)	Usha Rama College of Engineering	2021–2025	8.28 CGPA
Intermediate	Narayana Junior College	2019–2021	8.95 CGPA
SSC	Narayana E-Techno School	2019	9.5 CGPA

EXPERIENCE

- **AI DEVELOPER INTERN – INFOSYS SPRINGBOARD** *Dec 2024 – Feb 2025*
    - Developed and deployed **MediTrainAI**, an AI-driven healthcare chatbot using **Hugging Face Transformers** and **Flask**, improving response accuracy by 25%.
    - Integrated **Natural Language Processing (NLP)** capabilities for contextual health query interpretation and improved user engagement.
    - Deployed the model on a web platform with a user-friendly interface and version-controlled it via GitHub.
    - Collaborated with mentors to optimize model inference time and user feedback loop efficiency.

- **DATA SCIENCE & ANALYTICS INTERN – 360DIGITMG & APSCHE** *Nov 2024 – Apr 2025*
    - Executed end-to-end data analysis and visualization projects using **Python, Pandas, NumPy, and Seaborn**, improving data insight accuracy by 18%.
    - Implemented machine learning algorithms for predictive modeling and feature engineering.
    - Performed **data cleaning, statistical analysis, and regression modeling** to support decision-making insights.

- **RED HAT ACADEMY STUDENT AMBASSADOR** *Usha Rama College of Engineering | 2024–2025*
    - Led open-source advocacy programs and workshops reaching over 150 students.
    - Facilitated Red Hat certification sessions and supported peers in using Linux-based technologies.
    - Recognized among **Top 5 Ambassadors in India** for promoting open-source collaboration and technical excellence.

- **AI-ML VIRTUAL INTERN – EDUSKILLS FOUNDATION & AICTE** *Jul 2022 – Sep 2022*
    - Completed intensive training in **Machine Learning, AWS Cloud, and AI fundamentals** through AWS Academy.
    - Built and deployed supervised learning models achieving over 90% accuracy on benchmark datasets.
    - Collaborated with cross-functional teams to design scalable ML solutions for real-world problems.

TECHNICAL SKILLS

- **Languages:** Python, Java, JavaScript, HTML, CSS, PHP
- **Frameworks:** Flask, ReactJS, Node.js
- **Libraries:** TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn
- **Databases:** MySQL, MongoDB

- **Tools:** VS Code, Git, GitHub, Jupyter Notebook
- **Soft Skills:** Leadership, Analytical Thinking, Communication, Collaboration
- **Creative Tools:** Photoshop, Canva

CERTIFICATIONS

- NPTEL – *Introduction to Industry 4.0 and Industrial IoT* (May 2023)
- IBM – *NoSQL, Big Data, and Spark Fundamentals* (Apr 2024)
- Infosys Springboard – *Applied Generative AI* (May 2024)
- MongoDB – *Introduction to MongoDB for Students* (Jun 2024)
- Infosys Springboard – *NLP and GPT-3 for Developers* (Aug 2024)
- Red Hat – *System Administration I (RH124)* (Nov 2024)
- Simplilearn – *PHP Development* (Feb 2025)

PROJECTS

- **CAMPUSBITES – SMART FOOD ORDERING PLATFORM** *ReactJS, Firebase | 2024–2025*

  - Developed a dynamic web application enabling real-time food ordering with menu categorization and vendor dashboards.
  - Implemented JWT authentication and optimized UI responsiveness, improving user engagement by 30%.
  - **Skills:** ReactJS, MongoDB, JavaScript, Firebase, Authentication

- **WATER POTABILITY PREDICTION WEB APP** *Python, Flask, ML | 2024*

  - Created a predictive model to classify water quality with 92% accuracy using ensemble learning.
  - Built an intuitive Flask web app for user-friendly data input and real-time prediction.
  - **Skills:** Python, Flask, Random Forest, Voting Classifier, Data Analysis

- **MEDITRAINAI – HEALTHCARE CHATBOT** *Hugging Face, Flask, NLP | Dec 2024 – Feb 2025*

  - Developed an intelligent chatbot delivering accurate and empathetic responses to health queries.
  - Enhanced NLP accuracy by 22% through fine-tuning transformer models.
  - **Skills:** Python, Flask, NLP, Hugging Face, AI Chatbot Development

- **FOOD RECOMMENDATION SYSTEM** *Python, ML | Apr 2025*

  - Built a personalized recommendation engine using content-based filtering and PCA.
  - Improved recommendation relevance by 85% with optimized feature selection.
  - **Skills:** Python, Machine Learning, PCA, Recommendation Systems

- **INVOICE PRINTER APPLICATION** *Python, Tkinter | May 2025*

  - Automated invoice generation with dynamic entries and PDF export, reducing manual errors by 60%.
  - **Skills:** Python, Tkinter, Flask, PDFKit, GUI Design

- **WEATHER PREDICTION SYSTEM** *Python, ML | Jun 2025*

  - Implemented a supervised learning-based system to forecast temperature trends with 88% precision.
  - Designed a GUI for interactive prediction visualization.
  - **Skills:** Python, Machine Learning, GUI Development, Data Visualization

POSITIONS OF RESPONSIBILITY

- **STUDENT AMBASSADOR & INTERNSHIP COORDINATOR** *Red Hat | Usha Rama College of Engineering*
- Organized workshops and events for 100+ students, promoting Linux and open-source culture. Managed internship coordination and mentorship activities across departments.

ACHIEVEMENTS

- **Hackathon Winner –** 1st Place at "August Hackathon" by HackerTribe among 70+ teams.
- **Code Royal & Rapid Coders –** 3rd Prize Winner in two coding contests at Usha Rama College.

WORKSHOPS

- **AWS Cloud Computing Workshop –** Hands-on 3-day workshop covering EC2, S3, and Lambda deployments.
- **NVIDIA Deep Learning Workshop –** 2-day session focused on GPU computing, neural networks, and AI model acceleration.

PERSONAL DETAILS

- **Full Name:** Ayinala Koteswararao
- **Date of Birth:** 14 November 2003
- **Languages Known:** English, Telugu, Hindi
- **Nationality:** Indian
- **Address:** 1-542-17, Rajiv Nagar, 12th Ward, Gudivada, Krishna District, Andhra Pradesh

DECLARATION

- I hereby declare that the information provided above is accurate and true to the best of my knowledge.