

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 model development, data analytics, and full-stack web applications**. Proficient in **Python, Machine Learning, Flask, and ReactJS**, with practical knowledge in developing **NLP applications** and scalable AI-powered solutions. Known for optimizing workflows, improving model performance, and applying analytical thinking to solve real-world problems through data-driven approaches. Passionate about continuous learning and innovation, seeking opportunities as an **AI Engineer, Data Analyst, or Software Developer** to contribute to intelligent and impactful 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

- SERVICENOW VIRTUAL INTERNSHIP PROGRAM** *SmartBridge & AICTE | Jun 2025 – Oct 2025*
 - Completed training on **ServiceNow Administration Fundamentals, Agentic AI, and Flow Automation**.
 - Built and tested workflows using the **Automated Test Framework (ATF)** and created insightful dashboards and reports.
 - Strengthened practical understanding of **IT Service Management (ITSM)** and low-code development.
 - Prepared for the **Certified System Administrator (CSA)** exam through guided micro-certifications.
- AI DEVELOPER INTERN – MEDI TRAIN AI PROJECT** *Infosys Springboard | Dec 2024 – Feb 2025*
 - Developed and deployed **MediTrainAI**, an AI-driven healthcare chatbot leveraging **Hugging Face Transformers** and **Flask**.
 - Integrated **Natural Language Processing (NLP)** for contextual and empathetic health query interpretation, improving response accuracy by 25%.
 - Deployed the model on a web platform with a user-friendly interface and version-controlled using **GitHub**.
 - Collaborated with mentors to optimize model inference time and enhance feedback loop efficiency.
- DATA SCIENCE & ANALYTICS INTERN** *360DigiTMG & APSCHE | Nov 2024 – Apr 2025*
 - Executed end-to-end data analysis projects using **Python, Pandas, NumPy, and Seaborn**, improving insight accuracy by 18%.
 - Implemented **machine learning algorithms** for predictive modeling, regression, and feature engineering.
 - Conducted data cleaning, statistical analysis, and visualization to support decision-making insights.
 - Collaborated with cross-functional teams while maintaining source control through **Git/GitHub**.
- RED HAT ACADEMY STUDENT AMBASSADOR** *Usha Rama College of Engineering and Technology | 2024 – 2025*
 - Organized **open-source advocacy programs** and Linux workshops impacting over 150 students.
 - Guided peers in achieving Red Hat certifications and mastering Linux-based technologies.
 - Promoted **Red Hat Academy** resources and acted as a liaison between Red Hat and the student community.
 - Recognized among the **Top 5 National Ambassadors** for leadership and open-source contributions.

TECHNICAL SKILLS

- Programming Languages:** Python, Java , PHP, HTML, CSS , JavaScript

- **Frameworks & Technologies:** Flask, ReactJS, ServiceNow Platform, REST APIs, Full-Stack Development
- **Machine Learning & AI:** TensorFlow, Scikit-learn, PyTorch, NLP, Data Preprocessing, Model Deployment
- **Data Analytics & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, Data Cleaning, Statistical Analysis
- **Databases:** MySQL, MongoDB
- **Tools & Platforms:** Git, GitHub, VS Code, Jupyter Notebook, Google Colab
- **Soft Skills:** Leadership, Problem Solving, Communication, Team Collaboration, Time Management
- **Design Tools:** Adobe Photoshop, Canva

CERTIFICATIONS

- **Simplilearn:** Certificate – *PHP Development* — **Feb 2025**
- **Red Hat:** Course – *Red Hat System Administration I (RH124)* — **Nov 2024**
- **Infosys Springboard:** Certificate – *Generative Pre-trained Transformer 3 (GPT-3) for Developers* — **Aug 2024**
- **Infosys Springboard:** Certificate – *Introduction to Natural Language Processing* — **Aug 2024**
- **MongoDB:** Certificate – *Introduction to MongoDB for Students* — **June 2024**
- **IBM:** Certificate – *NoSQL, Big Data, and Spark Fundamentals* — **Apr 2024**
- **Infosys Springboard:** Global Certificate – *Applied Generative AI* — **May 2024**
- **NPTEL:** Course – *Introduction to Industry 4.0 and Industrial Internet of Things* — **May 2023**

PROJECTS

- **CAMPUSBITES – SMART FOOD ORDERING PLATFORM** *Final Year Project | URCET | 2024–2025*
 - Designed and developed a full-stack web platform enabling **real-time food ordering, vendor dashboards, and menu management**.
 - Implemented **JWT-based authentication** and integrated **Firebase** for seamless live updates and secure user sessions.
 - Enhanced UI responsiveness and accessibility, improving user engagement by 30%.
 - **Skills:** ReactJS, MongoDB, JavaScript, Firebase, JWT Authentication, REST APIs, Responsive UI
- **MEDITRAINAI – AI-POWERED HEALTHCARE CHATBOT** *Infosys Springboard | Dec 2024 – Feb 2025*
 - Built an AI-driven healthcare chatbot using **Hugging Face Transformers** and **Flask** to deliver accurate and empathetic responses.
 - Integrated advanced **NLP techniques** and fine-tuned transformer models, improving response accuracy by 22%.
 - Deployed the chatbot as a web application with a clean, user-friendly interface and version control via **GitHub**.
 - **Skills:** Python, Flask, Hugging Face Transformers, NLP, AI Chatbot, Model Deployment
- **WATER POTABILITY PREDICTION WEB APP** *360DigiTMG Internship Project | URCET | Dec 2024 – Apr 2025*
 - Developed a predictive web application to classify water quality based on key chemical and physical parameters.
 - Applied **ensemble learning models** (Random Forest, Voting Classifier) achieving up to **92% prediction accuracy**.
 - Built a Flask-based interface for intuitive data input and visualization of model predictions.
 - **Skills:** Python, Flask, Random Forest, Voting Classifier, Data Analysis, Machine Learning
- **WEATHER NOW – REAL-TIME WEATHER FORECAST APP** *Personal Project | 2025*
 - Created a real-time weather forecasting app using the **Open-Meteo API** with Flask routes for geolocation and forecast retrieval.

- Implemented features like **debounced city search**, “Use My Location”, and **24h/7d visual forecasts** with Chart.js.
- Built a modern, responsive UI with light/dark themes, animated gradients, and Lucide icons for enhanced UX.
- **Skills:** Flask, Python, JavaScript, Chart.js, REST APIs, Open-Meteo, Geolocation API, Data Visualization
- **SATYA SAI BABA AUTO ELECTRICAL WORKS – REAL-TIME WEB PORTAL** *Personal Project | Ongoing – 2025*
 - Developing a **real-time web application** for a local automotive business to display live service status and product availability.
 - Implemented **Flask with WebSockets** for real-time data synchronization and dynamic service logs.
 - Designed a responsive front-end using **ReactJS and Tailwind CSS** to ensure seamless mobile and desktop experiences.
 - **Skills:** Flask, Python, ReactJS, Tailwind CSS, WebSockets, SQL, Full-Stack Development

POSITIONS OF RESPONSIBILITY

- **STUDENT AMBASSADOR & INTERNSHIP COORDINATOR** *Red Hat | Usha Rama College of Engineering*

Conducted workshops on Red Hat technologies, promoted open-source adoption among 100+ students, managed internship programs, and coordinated events to enhance industry exposure.

ACHIEVEMENTS

- **Hackathon Winner** — 1st Prize at August Hackathon by HackerTribe and Make Skilled
- **Code Royal & Rapid Coders Winner** — Secured 3rd Prize twice in Tech Competitions at Usha Rama College of Engineering.

WORKSHOPS

- **AWS Cloud Computing Workshop** — Completed a 3-day intensive training organized by **Brinovision**, focusing on **AWS cloud infrastructure, EC2 instance deployment, S3 storage, IAM management, and DevOps integration**. Gained practical experience in designing and deploying scalable applications on the AWS platform.
- **NVIDIA & Adyuga Deep Learning Workshop** — Participated in a 2-day hands-on workshop on **GPU-accelerated computing and deep learning**, conducted by **Adyuga Ed-Tech Solutions** in collaboration with **NVIDIA**. Explored **neural network architectures, CNNs, TensorFlow implementation**, and real-time AI applications. Recognized for outstanding contribution to workshop activities.

PERSONAL DETAILS

- **Full Name:** Ayinala Koteswararao
- **Date of Birth:** 14 November 2003
- **Gender:** Male
- **Marital Status:** Single
- **Languages Known:** English, Telugu , Hindi
- **Nationality:** Indian
- **Address:** 1-542-17 Rajiv Nagar 12th Ward Gudivada Madal , Krishna Dist , A.P State.

DECLARATION

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