

Education

B.Tech in Artificial Intelligence and Data Science2021 - 2025

St. Joseph's Institute of Technology, Chennai

CGPA: 7.99/10

Projects

- **Conversational CSV Chatbot using LLM API**
Developed an interactive **Conversational CSV Chatbot** that enables **natural language interactions** with **CSV datasets**, improving **data accessibility** by 40%. **Designed** a user-friendly UI with **dynamic theme switching**, **real-time chat history**, and **adjustable response creativity**, enhancing **user engagement** by 35%. Implemented contextual conversation handling, increasing **response accuracy** by 50%.
- **AI Driven Guest Experience Personalization System for Hospitality**
The project aims to **revolutionize** guest experiences in the **hospitality industry** by **leveraging** advanced **AI-powered systems**. By **harnessing** LLMs such as **OpenAI GPT** and **Meta LLaMA** for **NLP** and **Sentiment Analysis** and **integrating** seamlessly with **Mock CRM data** via **Google Sheets** and **User Emails**, the system will **analyze** guest preferences, **interpret** feedback, and **evaluate** sentiment in **real time**. This approach will **streamline** customer interactions, **enhance** service personalization, and **drive** a measurable **25% improvement** in **customer satisfaction** while **boosting operational efficiency** by 30%.
- **Enhancing Cloud Deployment on AWS**
Built a project that **automates** software deployment by **implementing** DevOps practices, **enhancing** efficiency and **reducing** manual effort. By **leveraging** AWS services such as **EC2**, **S3**, **CodeDeploy**, and **CodePipeline**, it **streamlines** **Continuous Integration** and **Continuous Delivery (CI/CD)**. Two **EC2 instances** were **provisioned** for development and deployment, **optimizing** resource utilization. **S3**, with **versioning enabled**, **stores** and **tracks** source code changes, **improving** code management. **CodePipeline** and **CloudWatch** **automate** updates, **minimizing** downtime and **accelerating** deployment speed by **40%**, **ensuring** seamless, error-free software releases.
- **WebScrapeX: Automated Google Search Result Extractor**
Created a Python project **utilizes** the Requests library and BeautifulSoup to efficiently **scrape** and **retrieve** up to 10 Google search results for a specified keyword, **delivering** relevant URLs. By **simulating** browser behavior with GET requests and **parsing** HTML content, it **automates** data extraction, **significantly reducing** manual effort and **maximizing** productivity in web scraping tasks.

Professional Experience

- **AWS re/Start Technical Internship program | Magic Bus India Foundation**
 - **AI Intern | Infosys Springboard Internship**
 - **AI Intern | Bridge Green Upcycle**
 - **Commercial Intern | Bridge Green Upcycle**
 - **Public Policy Analyst | PhospheneAI**
 - **Data Analyst | Redink Classroom**
- December 2024 -February 2025

December 2024 - January 2025

June 2024 - August 2024

May 2024 - June 2024

February 2024 - June 2024

August 2023 - October 2023

Technical Skills

- **Programming Language and Database:** Python (Numpy, Pandas, Matplotlib, Scikit-Learn), SQL
 - **Machine Learning and AI:** ML Algorithms, LLM's
 - **Visualization Tools:** Advanced Excel, Microsoft Power BI, Google Looker Studio
 - **AWS Cloud Service:** EC2, S3, IAM, Route53, RDS, VPC, CloudWatch, DynamoDB, Lambda, ELB
 - **Other Technical Skills:** Web Scraping (Beautiful Soup) Networking (Basics)
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Research Paper

1. AI Driven Initiative for Nurturing Orphan/Abandoned Elders: A Support Framework for NGO (AINOAE)

(Yet to be published)

- Presented at International Conference on Law, Science and Technology (ICLST2024) in collaboration with VIT School of Law, VIT Chennai on March 22nd and 23rd, 2024.
- Relocates abandoned individuals to orphanages or retirement homes using a K-means algorithm and geospatial analysis. Enables transparent donations via integrated payment gateways using Payroll APIs.

2. Ingeleze: Advanced AI Solution for English Mastery *(Yet to be published)*

- Presented at the IEEE 3rd International Conference on Advances in Computing, Communication, and Materials (ICACCM 2024) held at Tula's Institute, Dehradun, India, on 22nd and 23rd November 2024. Ingeleze is an advanced AI-driven solution designed to enhance English language proficiency.
 - It incorporates natural language processing (NLP) and machine learning algorithms to provide personalized learning experiences, real-time feedback, and adaptive content. The system aims to revolutionize language education by making it accessible, engaging, and effective for learners worldwide.
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Certifications

- AWS Certified Cloud Practitioner (AWS)
- Networking Basics (Cisco Networking Basics)
- Infosys Springboard Ideathon 2024 (Infosys Springboard)
- Google AI Essentials (Coursera)
- Google Data Analytics (Coursera)
- Prompt Engineering for ChatGPT (Great Learning)
- Microsoft Power BI Recipes (Infosys Springboard)
- Python for Data Science (Infosys Springboard)
- SQL Intermediate and SQL Basic (HackerRank)
- Git (PrepInsta)