

CHENNAREDDY RUPESH

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SUMMARY

I am a AI Analyst with strong foundations in **Python, SQL, statistics, machine learning, and data analytics**. Experienced in building AI-powered pipelines, performing data preprocessing, text analytics, and automation-based analysis. Passionate about deriving actionable insights from structured and unstructured data, developing predictive models, and supporting business decision-making through analytical and data-driven approaches.

EDUCATION

B.TECH CSE w/s AIML , Vellore Institute of Technology	Expected 2026
Higher Secondary , Velammal Institute of Technology	2020 - 2022

SKILLS

Programming & Querying	Python, SQL (MySQL, PostgreSQL), Java (Basic), R (Awareness).
Data Analysis & Statistics	Descriptive Statistics, Probability, Hypothesis Testing (Basics), Data Cleaning, Feature Engineering, Exploratory Data Analysis (EDA).
Machine Learning & AI	Regression, Classification, Clustering, NLP, Text Analytics, Generative AI, LLM APIs, RAG Concepts, Model Evaluation.
Tools & Visualization	Excel (Dashboards, Pivot Tables), Google Sheets, PowerBI (Intro), Matplotlib, Seaborn, Jupyter Notebook.
Core Analytics Skills	Root Cause Analysis, Data Interpretation, Reporting, Documentation, Stakeholder Communication, Problem Solving.

EXPERIENCE

Team Lead — Technical & Coordination Role Next Gen Cloud, VIT University	Jan 2022 – Present
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- Analyzed system workflows and user feedback to identify data patterns and improvement areas.
- Supported documentation, reporting, and structured problem analysis for technical projects.
- Collaborated with cross-functional teams, strengthening communication and analytical reasoning.

PROJECTS

24/7 AI Receptionist for Healthcare Clinics Developed an autonomous voice-based AI receptionist using n8n, Vapi.io, and Google Gemini to automate appointment scheduling. Designed for healthcare use, this system reduces administrative effort and patient waiting time by 80

AI-Powered Academic Quiz Generator Created an end-to-end AI pipeline that preprocesses lecture documents, extracts context using OpenAI models, and auto-generates quizzes in Google Forms. Demonstrated skills in text analytics, automation, and workflow orchestration.

Automated AI Email Digest System Built an AI-based summarization pipeline using n8n and Gmail API for data collection, text preprocessing, and topic extraction. Enhanced productivity by automatically categorizing and summarizing daily communications.

Automated Traffic Signal Prioritization for Emergency Vehicles Engineered an IoT system using Arduino and RFID to prioritize emergency vehicles, demonstrating real-time data processing and automation control principles.

CERTIFICATIONS

- Cybersecurity Essentials — Cisco
- Networking Essentials — Cisco
- Generative AI Professional — Oracle
- MERN Full Stack Development — ETHNUS
- AWS Cloud Foundations — AWS
- Web Design — Bharathidasan University
- Accelerated Computing with CUDA Python — NVIDIA