

DEVARASHETTY RISHITHA

+91 9550258100 [◇ rishithadevarashetty2004@gmail.com](mailto:rishithadevarashetty2004@gmail.com) [◇ LinkedIn](#) [◇ Portfolio](#)

EDUCATION

B.Tech in CSE (Data Science) **Aug 2022 – May 2026**
Anurag University, Hyderabad

Intermediate MPC **Aug 2020 – May 2022**
Prathibha Junior College, Suryapet

CBSE Class I – X **Aug 2010 – May 2020**
K.S. Reddy Model High School, Suryapet

SKILLS

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| Languages | Java, Python, JavaScript, C, HTML, CSS |
| Frameworks | React, Flutter, Next.js, Spring Boot, Node.js |
| Tools | Git, Firebase, MySQL, Figma, VS Code, phpMyAdmin |
| Concepts | REST APIs, AI/ML, DBMS |
| Soft Skills | Leadership, Teamwork, Communication |

PROJECTS

HR Analytics Dashboard (Completed): Interactive Analytics Dashboard: A data visualization tool built using R and Shiny to analyze employee datasets. Features data preprocessing and the visualization of key metrics like attrition, gender ratio, department performance, and salary distribution using ggplot2 and dplyr to support data-driven HR decision-making.

EDA and Predictive Analytics for Healthcare Using Machine Learning– Predictive Modeling System: A machine learning framework built to predict medical test results and assist in clinical decision-making. Features data preprocessing using SMOTE, Exploratory Data Analysis (EDA), and the evaluation of multiple algorithms, with Random Forest and Gradient Boosting achieving the highest accuracy for identifying high-risk patients.

Cyber Bullying Detection using Machine Learning (Major Project – Completed): Hybrid Machine Learning Framework: A scalable system built using Python to detect and prevent Distributed Denial of Service (DDoS) attacks in Software-Defined Networks in real-time. Utilizes Support Vector Machine (SVM), Random Forest (RF), and custom hybrid models (LR-KNN, GB-XGB) via scikit-learn and XGBoost to analyze network traffic patterns, classify anomalies, and ensure robust network integrity.

SpendBook : Personal finance tracker mobile app built using React Native (Expo SDK 54), Supabase, NativeWind, and Victory Native. Features expense logging, category-wise analytics, and Google Sign-In authentication. App is fully functional with new features being actively added.

ElevateU: Smart Platform for Professional Growth: An intelligent web-based career evaluation and job matching system built with Next.js, Node.js, Express, and MongoDB. Integrates Google Gemini Pro APIs and FAISS-based semantic search alongside NLP and LLMs to automatically analyze resumes against job descriptions, generate ATS scores, identify missing keywords, and provide personalized improvement recommendations to enhance employability.

Insight Forge: A full-stack web application unifying the entire data analysis pipeline. Features workspace-based dataset management, data preprocessing, interactive visualizations, and an automated insight generation module that translates complex analytical results into human-readable reports.

CERTIFICATIONS

CISCO: CCNA - Enterprise Networking, Security Automation, Switching, Routing Wireless Essentials, Cyber Threat Management, Junior Cybersecurity Analyst Career Path

HackerRank: Python (Basic), SQL (Basic)

Infosys Springboard: CSS Certificate, Java (Basic), JavaScript (Basic), Python (Basic), SQL (Basic), AI ML, Data Science, HTML5

Oracle: Cloud Infrastructure 2025 Certified Generative AI Professional

EXTRA-CURRICULAR ACTIVITIES

- Participated in multiple college-level project exhibitions and poster presentations.
- Participated in Smart India Hackathon with a women safety mobile application.