Raksha H V

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PROFILE

Driven Computer Science Engineering student with hands-on experience in machine learning, large language models, and UI/UX design. Skilled in Python, prompt engineering, data analysis, and cloud platforms with a growing interest in Al for security applications. Proven ability to deliver real-world solutions through hackathons, end-to-end ML modeling in Jupyter Notebooks, and projects that combine technical depth with user-centric design.

EDUCATION

B.E. in Computer Science and Engineering 2022 – 2026
Maharaja Institute of Technology, Mysore (VTU)
Current CGPA : 8.5 (upto 6th semester)

2nd PUC (PCMB)
Pramati Hill View Academy PU College
- 82%

High School (CBSE)
Pramati Hill View Academy
- 92%

SKILLS

Programming
Python, Java, ReactJS, HTML/CSS, JavaScript

Modeling Experience (Jupyter)
Linear/Logistic Regression, Decision Trees, Random Forests, SVM, KNN, CNN, RNN, ANN, Transfomers

Cybersecurity (Basics)
Encryption, Network Security, SIEM/logs, kali-linux and tools familiarity

ML/AI
Machine Learning, LLMs (Hugging Face, Gemini), Prompt Engineering, Embeddings, RAG Pipeline

Cloud & Tools
Google Cloud, Oracle Cloud, Vertex Al, Git, Flask

Other
Data Visualization, Wireframing, Prototyping, UX Research

HIGHLIGHTS & ACHIEVEMENTS

1st Prize
AIISH National Hackathon (Tele-consultation Web App)

2nd Prize
Bhahuballi College Hackathon

Consolation Prize
GSSS College Hackathon

PROJECTS & HACKATHONS

Al-Powered Medical Assistant
2nd Place - Hackathon, C3
Built an Al-driven assistant for early diagnosis support and patient recommendations. Led wireframing, UI/UX, and front-end development with interactive data visualizations.

Therapy Tracking & Virtual Consultation Platform
1st Place - AIISH Hackathon
Developed dashboards with chatbot, calendar-based scheduling, and secure video calling for audiologists and patients. Improved therapy accessibility and real-time monitoring.

Generative Al Ayurveda Recommendation System
Integrated Google Gemini API with prompt engineering to build a conversational GenAl-based recommendation tool. Designed RAG-style retrieval to personalize remedies and wellness advice.

Graphical Password Authentication System
Created an image-based login mechanism to enhance authentication security. Balanced usability with strong encryption and validation techniques.

Encryption Web App
Built a secure encryption/decryption platform for text, audio, and images using ReactJS + Flask.

CERTIFICATIONS

Prompt Design in Vertex Al
Google (Aug 2025)

Al & Data Science Applications
Tejas-Pro (Sep 2025)

Six Sigma Assessment
– Learn Tube (Aug 202)

HIGHLIGHTS

Built and documented multiple ML/DL models in Jupyter Notebooks, showcasing end-to-end development and evaluation.

Independent learner with a strong record in AI/ML projects and security-focused applications.