

# HITHYSHI K

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## PROFILE SUMMARY

Postgraduate student in Computer Science with specialization in Artificial Intelligence and a Computer Science Engineering graduate. Highly motivated, quick learner, and eager to contribute to innovative organizations through collaboration, technical expertise, and continuous learning.

## TECHNICAL SKILLS

**Programming Languages:** Java, Python, SQL

**Tools & IDEs:** Google Colab, Power BI, Android Studio, Kaggle Notebook, CodeBlocks, Eclipse, Jupyter Notebook, Anaconda

## EDUCATION

### M.Tech in Computer Science (Artificial Intelligence)

Presidency University, CGPA: 8.00 2024 – 2026

### B.E. in Computer Science and Engineering

RV Institute of Technology and Management 2020 – 2024

## PROJECTS

### • Explainable AI-Based Clinical Decision Support for Brain Tumor Detection

Developed a deep learning framework using EfficientNetV2B0 with Multi-Head Self-Attention for brain tumor classification. Integrated Explainable AI using Grad-CAM visualizations. Built AI-powered clinical decision support with downloadable medical reports.

### • Farmer's Assistant Using AI Voice Bot

Awarded *Best Final Year Project* at RVITM (2020–2024). Implemented AI-driven leaf disease detection, soil humidity sensing using Arduino, and ML-based crop recommendations for real-time agricultural insights.

### • AI Tutor Chatbot (Ollama, Python, Streamlit)

Built a PDF-based tutoring system allowing users to upload documents and ask context-aware questions. Efficiently handles large documents using text extraction and LLM-based responses.

## CERTIFICATIONS

### • Cloud Technologies – Women in Cloud (Docker, Kubernetes, Azure, Flask)

### • Artificial Intelligence on Microsoft Azure – Coursera

## INTERNSHIPS

### KaroStartup

#### Data Analyst (AI Automation) Intern

Sep 2025 – Jan 2026

- Built containerized full-stack applications using Docker, Node.js, React.js, and AWS S3.
- Built an autonomous Python agent using GPT-4o Mini for end-to-end EDA.
- Automated outlier detection and narrative insight generation.
- Developed data pipelines using Pandas and Matplotlib.

### Karunadu Technologies Pvt. Ltd.

#### Python and Machine Learning Intern

Aug 2023 – Sep 2023

- Developed a Random Forest model for gamma and hadron spectrum prediction.
- Worked with Anaconda, Jupyter Notebook, VS Code, and ML workflows.

## PUBLICATIONS

- **Advanced Email Spam Detection: A Machine Learning Solution**, International Conference on Evolutionary Algorithms and Soft Computing Techniques (EASCT-2023), IEEE, RVITM.

- **Deep Leaf Detect Implementation: Utilizing CNN for Accurate Leaf Disease Detection in Agricultural Systems**, Journal of Harbin Engineering University (JHEU), 2024.

- **Precision Agriculture: Leveraging Sensor Technology for Soil Analysis to Recommend Crops Using Random Forest Approach**, Journal of Harbin Engineering University (JHEU), 2024.

## OTHER ACTIVITIES

1. Content Creator on Pinterest — 2. Member, ALT Stratus Club – RVITM

## LANGUAGES

English, Kannada, Hindi