Revathi E V

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PROFESSIONAL SUMMARY

Computer Science professional with strong foundations in Data Analytics, Generative AI, and Full-Stack Development. Proficient in developing AI-powered applications and data-driven solutions using Python, HTML, React, and Node.js. Experienced in applying Machine Learning techniques and executing end-to-end full-stack projects. Achieved 3rd place in the IBM Mindscape Hackathon for innovative problem-solving and technical implementation.

EDUCATION

BNM Institute of Technology   **Bengaluru, Karnataka**
B.E in Computer Science and Engineering   Jun 2026

Sri Chaitanya PU College   **Bengaluru, Karnataka**
PUC   Jun 2022

Carmel School   **Bengaluru, Karnataka**
10th   Jul 2020

WORK EXPERIENCE

RenderEase   **Bengaluru, Karnataka**
Data Analytics Intern   Sept 2025 – Present
- Built and optimized Node.js, Express and PINO logger to streamline data flow between frontend and backend.
- Integrated ELK Stack (Elasticsearch, Logstash, Kibana) for real-time data monitoring and analytics visualization.
- Contributed to Tryons frontend development using React and Node, enhancing user experience and interface responsiveness.

Sriven Groups   **Bengaluru, Karnataka**
GenAI Intern   Sep 2024 – Oct 2024
- Developed AI-integrated blog tools using HTML, CSS, JavaScript, Node.js, and Rasa framework.
- Implemented conversational AI features using Natural Language Processing concepts.
- Collaborated with a cross-functional team to improve user experience and deployment workflows.

BNMIT   **Bengaluru, Karnataka**
Data Analytics & Blockchain Intern   Jan 2024 – Mar 2024
- Gained hands-on experience in data visualization, pattern analysis, and blockchain fundamentals.
- Designed analytical dashboards to interpret and present key performance metrics.
- Explored blockchain integration for secure and transparent data management.

TECHNICAL SKILLS

Programming & Development: Python (Pandas, NumPy, Matplotlib, Seaborn, scikit-learn), SQL, JavaScript, C, Java, HTML, CSS, React.js, Natural Language Processing (Hugging Face Transformers), Large Language Models (LLMs), Prompting, RAG (Retrieval-Augmented Generation), Machine Learning, Deep Learning, Node.js, Rasa, Data Analytics, Generative AI, Machine Learning, Blockchain Concepts, Data Visualization (Power BI, Tableau), Web Development
Tech Stack: Cloud Platforms (AWS, Google Firebase), Tools & Platforms (VS Code, Git, WAMP, Excel), Databases (MySQL, Firebase), Version Control (Git, GitHub), Operating Systems (Windows, Linux)

PROJECT EXPERIENCE

AGRIROBO-Cultivating the Future with Smart Farming
Developing an IoT-based smart agriculture robot using Arduino and Raspberry Pi for real-time soil and crop monitoring through image processing and data training. Integrated an automated chemical spraying system and a mobile app interface for remote control and precision farming.

SERA Chatbot (IBM Hackathon – 3rd Place 2025)
Developed an AI-powered mental health chatbot with stress-relief tools, emotional personas, and supported using Python and Firebase.

Real Estate Website
Created a full-stack real estate platform using HTML, CSS, JavaScript, and SQL, enabling property listings, user authentication, and secure database management.

Employee Performance Predictor
Developed an model using Random Forest and Linear Regression, integrating UiPath automation to email employee check-in and check-out times to HR.

BlogNest- AI powered blog creator
Developed an AI-powered blogging platform using React, Node.js, and Gemini API to automatically generate blogs based on user-selected topics and support dynamic content management.

Jarvis- Visual teaching platform (IBM Hackaton- 2024)
An interactive visual learning platform with science simulations, quizzes, and real-time feedback to enhance student engagement and concept understanding.

Cloud-Based Book Management System
Developed a cloud-based book management system using AWS S3 for secure storage, with an AI recommendation engine and a "continue reading" feature for personalized access.

Video to audio to text
Built a video-to-audio-to-text converter using Python, Streamlit, and Whisper, which extracts audio from video links and transcribes it into downloadable text.

Govt Helpdesk Chatbot
Engineered a Python-based chatbot with Firebase integration to assist citizens with real-time responses to government service queries.

Dead stock and demand forecasting analysis
Developed a using Random Forest Regressor for inventory analysis and LightGBM for demand prediction, improving stock management accuracy.

Image-Based Diffusion Model
Built an image generation system using Stable Diffusion and Variational Autoencoders (VAE) to edit images from unclear ones.

HACKATONS

- **IBM Mindscape 2025 -** 3rd place.   Aug 2025
- Participated in **IBM EcoEquify 2024**.   Aug 2024
- **SAP HackFest -** Qualified and competed in Regional and State Rounds, showcasing innovative AI and data-driven solutions.
- Participated in Google Cloud Agentic AI Day organized by **Hack2Skill**.

ACCOMPLISHMENTS

- Completed Data Science Internship at ShadowFox- performed data analytics using Excel, SQL, Power BI, and Tableau, and built Python scripts for data cleaning, analysis, and visualization.
- Completed "Strategy Formulation and Data Visualization" from IIT Madras.
- Earned multiple IBM badges in AI, Web Development, Cloud Computing, and Cybersecurity.
- Certified in Cybersecurity Essentials by CISCO.
- Courses from Great Learning: Frontend Development (HTML, CSS), Python & C Data Structures, OOPs in Java.
- Certified in Data Analytics using Excel (Coursera) and Machine Learning & Generative AI (Infosys Springboard).