

# Hemanth Karthick

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## EDUCATION

R.M.K Engineering College  
B.E. (Hons.) in Computer Science  
📅 Oct 2021-Jun 2025 📍 Kavarapettai, TN  
CURRENTLY PURSUING

IIT, Madras  
BS in Data Science & Applications  
📅 Aug 2023 📍 Chennai, TN  
FOUNDATIONS - COMPLETED

Velammal Vidhyashram  
HSC - 83.4%  
SSC - 87.6%  
📅 Apr 2019-Jun 2021 📍 Surapet, TN  
COMPUTER SCIENCE

## LINKS

🐙 GitHub: /phoenix-mp3  
in LinkedIn: /hemanth-karthick  
</> Leetcode: /phoenix-mp3

## SKILLS

Programming:  
Python • Java • JavaScript • C/C++  
HTML/CSS • SQL • Solidity • PHP

Miscellaneous:  
Flask • WordPress • LangChain  
Node.js • Remix • React.js • Git

## COURSEWORK

- Data Science
- Machine Learning
- Artificial Intelligence
- Software Engineering
- Database Management System
- Data Structures
- Smart Contracts
- Statistical Theory and Methods

## HONORS

### FINALIST

“IBM Hack Challenge 2023”  
📄 Media Monitoring and Multilabel  
Classification using IBM Watson

### WINNERS - SOFTWARE

“Glance-Village Hackathon - 2023”  
🚀 Satellite-Based Crop Monitoring  
and Crop Prediction

### CONSOLATION PRIZE

“Science & Innovation Club - 2022”  
🗣️ Virtual Voice Assistant with  
LLM & Hand Gesture Detection

## PROJECTS

### PACE SPORTS FOUNDATION WEBSITE

📅 Jun 2024 – Jul 2024 📍 Chennai, TN  
• Developed a **Responsive website** using **WordPress, Bootstrap, CSS** for the Pace Sports Foundation to enhance their online presence and streamline the management of athletic records.

### YOUTUBE DATA HARVESTING AND WAREHOUSING

📅 Aug 2023 – Oct 2023 📍 Chennai, TN  
• Developed a user-friendly **Streamlit** application to store and manage YouTube data in a MongoDB database, improving data retrieval efficiency by 30%.

### HEALTHCARE MANAGEMENT SYSTEM USING BLOCKCHAIN

📅 Oct 2022 – Feb 2023 📍 Chennai, TN  
• Developed a **HIPAA-compliant** serverless application on the **Ethereum blockchain** and implemented algorithms to optimise gas usage to enhance data security and privacy in healthcare management, reducing transaction costs by 25%.

### VIRTUAL VOICE ASSISTANT WITH LLAMA3 LLM

📅 Jan 2022 – June 2022 📍 Chennai, TN  
• Integrated various APIs with the **Meta Llama3** to control screen brightness and volume using hand gestures recognised by **OpenCV** and **TensorFlow** to improve user interaction.

## PROFESSIONAL CERTIFICATIONS

### IBM DATA SCIENCE

COURSERA, IBM, PROFESSIONAL CERTIFICATE  
📅 May 2023 – Dec 2023 📍 Chennai, TN  
• Solved practical data science issues and derived insights by applying machine learning techniques.  
• Enhanced programming skills and data analysis proficiency using tools such as **Python, Jupyter Notebooks, and IBM Watson**.

### GOOGLE DATA ANALYTICS

COURSERA, GOOGLE, PROFESSIONAL CERTIFICATE  
📅 June 2022 – Sept 2022 📍 Chennai, TN  
• Complete analysis and calculations using **Spreadsheets, SQL, and R programming**.  
• Conducted a final project that involved creating a comprehensive data dashboard in **Google Data Studio**.

## EXPERIENCE

### AWS & WEB DEVELOPER INTERN

FINECONS PRIVATE LTD.  
📅 June 2024 – Present 📍 Chennai, TN  
• Developed and maintained college and company websites.  
• Managed **AWS clusters** and implemented cloud solutions to optimize performance.

### DATA SCIENCE INTERN

LETSGROWMORE  
📅 July 2023 – July 2023 📍 Chennai, TN  
• Applied machine learning techniques such as **linear regression, decision trees, and clustering** to solve practical business problems.