




# Nithish Kumar R

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## EDUCATION

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**M Kumarasamy College of Engineering**

June 2026

*B.tech. Artificial Intelligence and Data Science*

*Current GPA: 7.6/10*

**Velammal Matric. Hr. Sec. School, Theni**

June 2022

*Computer Science and Mathematics*

*Percentage: 70/100*

## COURSEWORK

**Courses:** Machine Learning Algorithms, Data Structures & Algorithms, Data Analytics, Design Thinking, Python Programming, Cloud Computing

## SKILLS

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**Languages:** Python, R, Java, HTML/CSS, Php

**Tools:** Git/GitHub, Google Colab, Jupyter Notebook, VS Code, Eclipse, Xampp, PyCharm, Android Studio

**Frameworks:** TensorFlow, PyTorch, React, Flask

**Libraries:** pandas, NumPy, Matplotlib, Scikit-Learn, NLTK, OpenCV, Seaborn, Beautiful Soup,

## PROJECTS

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**Legal Chatbot** | *Python, LangChain, PyPdf2, VS Code, Jupyter Notebook, Git*

Nov. 2023

- Developed a chatbot to provide legal assistance to illiterate people and advocates, offering voice-based and text-based interaction
- Integrated Google APIs for Speech-to-Text and Text-to-Speech functionalities and built backend workflows using Flask
- Learned natural language processing techniques and implemented multilingual support

**WaterFootprint** | *Android Studio, Java, TensorFlow Lite, Offline Database, Git*

Aug – Nov 2024

- Designed and developed a mobile application to scan food products and provide their water footprint for environmental awareness
- Implemented TensorFlow Lite for efficient on-device product recognition and analysis
- Ensured accessibility through multilingual support and offline functionality

**OnlineAuction** | *PHP, MySQL, CSS, JavaScript, HTML, Git*

Aug 2024 – Present

- Built a web platform for online bidding with features like product categorization, bidding status, and payment gateways
- Developed admin and seller dashboards to manage logistics and delivery options
- Learned database management and implemented vertical category layouts for better user experience

## EXPERIENCE

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**AI Innovators Club** | *Team Leader*

July. 2024 – Present

Lead a team of club members working on real-world projects for external clients. Successfully developed an auction website using PHP, HTML, CSS, and JavaScript as the first project. Currently planning to undertake more projects utilizing the MERN stack to expand technical expertise and client solutions.

## CERTIFICATION

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**IBM AI Developer Professional Certificate** | *IBM & Coursera*

Nov. 2024

Acquired foundational and advanced knowledge in AI development and software engineering, including generative AI and prompt engineering. Demonstrated expertise in designing and developing web applications using HTML, CSS, JavaScript, Python, and Flask, as well as building generative AI-powered solutions such as chatbots and innovative applications.