Nithesh Kumar M S

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EDUCATION

M S Ramaiah Institute of Technology   7.8 CGPA
Bachelor of Engineering in Artificial Intelligence and Machine Learning   *Nov 2022 –May 2026*

RELEVANT COURSEWORK

- Machine Learning
- Deep Learning
- Data Structures and Algorithms
- Project Management
- Computer Vision
- Natural Language Processing
- Database Management Systems
- OOPS
- Operating Systems

SKILLS

PROGRAMMING LANGUAGES :	Python | C | Java | SQL
WEB DEVELOPMENT:	HTML | CSS | JavaScript |Django
FRAMEWORKS & LIBRARIES:	TensorFlow| PyTorch | Numpy | Keras | Scikit-learn | Appium | Transformers | NLTK
TOOLS:	Git | GitHub | Android Studio | Google Colab | VS Code | MS-Excel | |Tableau | AWS | Node.js | Kubernetes Power-BI | MySQL | Huggingface | Selenium | MongoDB

PROJECTS

PRODUCTIVITY MANAGEMENT SYSTEM - FULL STACK PROJECT   *2025*
Designed a task monitoring system between manager-employees using Mongo Atlas Cluster for database, optimized database queries for better read and write operations and Node.js for connecting the endpoints in the server.
- Used Tools-Stack: V0, Cursor, HTML, CSS, JavaScript, Render, Git, Github, Google's API Text-to-Speech

DOMESTIC WASTE SEGREGATION USING DEEP LEARNING - MINI PROJECT   *2024*
Used ESP-32 and Inception ResNet V2 model for waste segregation, implemented UI for dataset upload and model testing.
- Used Tools-Stack: PyTorch, ReactJS, Flask, Github. Model Achieved 97.8% training and 92.5% in testing accuracy.

MOVIE TICKET BOOKING SYSTEM - FLIPKART GRID 6.0 SOFTWARE DEVELOPMENT TRACK   *2024*
Developed backend system with Spring Boot and MySQL, including database design, entity creation, and API integration.

MENTAL HEALTH CHATBOT USING LLMS - SMART INDIA HACKATHON   *2023*
Built a user-friendly interfaced chatbot, using RNN-LSTM for conversation flow and Transformers for long conversation.
- Used Tools-Stack: Python, Tensorflow, ReactJS, VSC, Github, StreamLit, HuggingFace LLaMa API

CERTIFICATIONS

Remote Sensing, Geographical Information System, and Global Navigation Satellite System • ISRO - IIRS, 2024.
HTML & CSS Foundation Level - Full Stack Developer Online Course   • bitLabs
Python for Data Science and AI   • IBM, Coursera
Mastering Data Science: A Journey from Fresher to GenAI Expert   • Innomatics Research Labs
Machine Learning, Data Science and Generative AI with Python   • Udemy, Sundog Education by Frank Kane

PUBLICATIONS

Real-Time Anomaly Detection via GNNs in Telecommunication Systems   • ICARES Patent in Process