

MUKESH KUMAR K

AI&ML ENTHUSIAST

Contact: 8608622547
Email: mukeshkumark1755@gmail.com
Coimbatore,TamilNadu,India - 641687.

OBJECTIVE

Dual-degree student (KIT CSE–AI/ML, IIT Madras BS Data Science) with strong **Python, Javascript, SQL, DSA**. Hands-on in AI/ML using **TensorFlow, scikit-learn, OpenCV, and Hugging Face**; Full-stack with **MERN (MongoDB, Express, React, Node), REST APIs**. Fast learner, collaborative, and eager to build scalable AI solutions and user-centric web

EDUCATION

Indian Institute of Technology - Madras
KIT-Kalaignar Karunanidhi Institute of Technology

BS - Data Science and Applications
BE - CSE(AI&ML)

EXPERIENCE

Machine Learning Intern - Appin Technology

- Completed hands-on training in machine learning and data science using Python, NumPy, pandas, scikit-learn, TensorFlow/Keras, and OpenCV.
- Worked collaboratively within a team, assisting in project development and evaluation on real-world datasets in Jupyter Notebooks, while enhancing analytical and coding skills.

PROJECTS

AI Brain Tumor Detection (Machine Learning)

- Developed a machine learning system to detect brain tumors from MRI scans using CNN models (TensorFlow/Keras) and OpenCV for image preprocessing.
- Evaluated model performance with accuracy and standard metrics; presented results with visualizations for interpretability.

Tech stack: Python, TensorFlow/Keras, OpenCV, NumPy, pandas, scikit-learn, Jupyter

Brain Tumor Detection Web App (MERN + AI)

- Built a full-stack web app using React, Node.js, Express, and MongoDB to let users upload MRI images and receive brain tumor detection results from an integrated AI model (TensorFlow/Keras).

Tech stack: MongoDB, Express.js, React.js, Node.js, REST API

AI Calorie Tracker Web App

Built a web app using AI and FatSecret API to track calories and nutrition. Users can log meals and get personalized insights.

Tech stack: React, Node.js, Express, MongoDB, FatSecret API

SKILLS

Programming: Python | Javascript | C | SQL | DSA | OOPS

AI&ML: TensorFlow | Keras | PyTorch | scikit-learn | OpenCV | Hugging Face | ML | DL | GenAI

Web Technology: React | Node.js | Express.js | MongoDB

Cloud: Git | GitHub

ACHIEVEMENTS

DSA Mastery: Solved 250+ Data Structures & Algorithms problems on LeetCode and CodeChef.

Coding Competitions: Participated in internal coding contests and AI workshops to enhance problem-solving skills.

Online Certifications: Completed courses in Python, SQL, and Foundations of Data Science (Coursera, NPTEL).

Leadership & Activities: Student Secretary (CSE AI & ML) | Student Secretary (BS Degree Program) | House Secretary — organized technical events, coding contests, and student engagement initiatives

CERTIFICATIONS

Design Thinking - **NPTEL**

Get Started with Python - **Coursera**

Certificate of Achievement — Python Foundation Certification - **Infosys Springboard**

Certificate of Achievement — Artificial Intelligence Foundation Certification - **Infosys Springboard**

Certificate of Achievement — Internet of Things Foundation Certification - **Infosys Springboard**

LANGUAGES

English | Tamil | Telugu

LinkedIn: <https://www.linkedin.com/in/mukeshkumark17>

LeetCode: https://leetcode.com/u/MUKESH_KUMAR_K/

CodeChef: <https://www.codechef.com/users/kit23bam032>

GitHub: <https://github.com/MukeshKumar-17>