

Irfan Mubarak.k

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PROFILE SUMMARY

Driven AI Data Science student experienced in developing real-time AI applications and computer vision models using Python, YOLO, and Flask. Skilled in building full-stack solutions with backend APIs and frontend interfaces. Strong knowledge of data analytics, time-series forecasting, and cloud platforms. A quick learner and effective team player with a passion for solving complex problems and delivering impactful AI solutions.

TECHNICAL SKILLS

- Programming Languages:** Python, C, Java, C++, SQL, HTML
- AI & Machine Learning:** Scikit-learn, TensorFlow, PyTorch, Keras, OpenCV, YOLO,
- Data Science & Analytics:** Pandas, NumPy, Matplotlib,
- Software Development & Tools:** Flask, FastAPI, MySQL, SQLite, MongoDB, Git, GitHub, AWS, Google Cloud

PROJECTS

- TAPACD (Theater Anti-Piracy AI Camera Detection)** *Python, YOLOv5, Flask, OpenCV*
Developed an AI-powered system to detect unauthorized phone cameras in theaters.
Used YOLOv5 for real-time object detection and tracking of recording devices.
Implemented Flask backend and interface to monitor detection alerts and logs.
- Kanban Board Stock Management** *Python, LSTM, TensorFlow, Flask, React*
Developed an AI-powered Kanban Board for stock management using LSTM time-series models.
Integrated Flask API for prediction services; built dynamic frontend with React.

EXPERIENCE

- AI and Machine Learning Developer** *Jan 2024 – Present*
Designed and implemented AI models for surveillance applications, including the TAPACD project.
Utilized frameworks such as YOLO, TensorFlow, and PyTorch to develop and optimize real-time detection systems.
- AI Hackathon Participant** *2024*
Collaborated in fast-paced hackathons to design and deploy functional AI solutions within tight deadlines.
Presented working prototypes to industry professionals, demonstrating innovation, teamwork, and problem-solving skills..

EDUCATION

- MES College of Engineering, Kuttippuram** *2022 – 2026*
B.Tech in Artificial Intelligence and Data Science (Semester VII)
- Technical Higher Secondary School(IHRD), Vattamkulam** *2021 – 2022*
Higher Secondary Education
- Technical Higher Secondary School(IHRD), Vattamkulam** *2020*
Board Examination

CERTIFICATIONS

R Programming for Beginners (Certificate Code: 7724812)

Apache Pig 101 – IBM Developer Skills Network

Accessing Hadoop Data Using Hive – IBM Developer Skills Network

Apache Hive – IBM

Apache Pig – IBM

Python for Data Science, AI Development

Artificial Intelligence And Embedded Systems Workshop at LAZARUX 1.0 by IEEE abd IEDC