

Shaik Mohammed Ayoub

AIML Undergrad

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Skills and Projects

Programming: C, Python, Java, MATLAB, JavaScript, HTML, CSS

Technologies: ML - ANNs, Deep learning - PyTorch, Tensorflow, Computer Vision - YOLO, OpenCV, NLP - LLMs (ChatGPT API, Gemini API), ReactJS, Django

- Vehicle Damage recognition: **YOLO V8** Based Car Part recognition with Damage overlay for a Saudi Based Insurance Company. Successfully Completed and delivered **Django** based **docker** API. Hosted on a dynamic **GCS Cloud Run** Instance with models trained on **GCS Vertex AI**.
- 'Vistech': Part of a team in the Development of **Computer Vision** project designed to assist visually impaired individuals - by offering real-time **PyTorch** based Environment Descriptions (Salesforce BLIP), Custom trained **Object Detection** (Groceries, Street Signs Etc), Monocular **Depth Estimation** (ISL-Org MIDAS), and **Facial inference** (Deepface).
- Vehicle number plate detection - **MATLAB** Project involving an algorithm that takes an input image of the number plate and after filtering it, compares each region with templates and returns a string of number plate characters.
- [Car Services Website](#)- Developed a website for a Car Services Company using HTML, CSS, JS
- OT security: Successfully Designed and Implemented an **Anomaly detection** system for a National organization - GAIL - Gas Authority of India for **ANN based** detection of Network Attacks and Pipeline anomalies, complete with a live **React JS** dashboard
- 'Insightify': Led a Team of 3 in Developing a text processing tool, capable of **summarizing**, **spell checking**, and identifying the **sentiment** of the text in an offline environment using open source LLMs

Experience

- Completed a **3-month long internship** in an Indian based digital marketing company by creating a website for a Car Service Company.
- Part of the organizing team of an event organized by MSS MJCET called "GitHub 101"
- Volunteered in organization of 'Hack-Revolution22' - a hackathon held in my own college

Education

Degree/Grade	Institution	Grade
BE CS&AI(AIML)	Muffakham Jah College of Engineering and Technology	7.3 (by the end of 3rd year)
Senior Secondary (TSBIE)	Sri Chaitanya Junior Kalasala	90%
Secondary (CBSE)	Little Scholar School	89%

Achievements

- Smart India Hackathon: Reached the **Grand Finale** of Smart India Hackathon 2021, a National Level Hackathon conducted by The Ministry of Education along with AICTE.
- Hackathon: **WINNER** of the 2023 'Hack Envision' Hackathon conducted by Nawab Shah Alam Khan College
- Hackathon: **WINNER** of the 2023 Hack-SRM conducted by the SRM University AP.
- Hackathon: **2nd Place** in the 'Hackathon'23' organized by the Code-For-India foundation