Nampalli Shiva Kumar

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PROFESSIONAL EXPERIENCE

AIML Research Intern - IIIT Hyderabad ✐
03/2024 – present
Hyderabad, India
- Working under the guidance of professors and researchers on Computer Vision, Multi-layer perceptions, Probabilistic models, and **Deep learning architectures**, LLMs.
- Worked on internal implementation of **Transformers** and their use in LLMs.

Geeks for Geeks
03/2023 – 12/2023
Hyderabad, India
Technical Content Writer Intern ✐
- Written **15+ articles** , Impacted **20,299+** students and Skilled in drafting complex concepts
- Written articles on Tailwind CSS , Machine Learning and Web development

Telangana Information Technology Association (TITA).
03/2021 – 05/2021
Hyderabad, India
AIML Intern ✐
- Gained practical expertise in the use of **AIML algorithms**, data preparation, and model training.
- Worked alongside a diverse group of professionals and worked on **Face recognition** project , **Hand written Digit Recognition** as well.

PROJECTS

AI-Based Realtime Traffic Helmet Risk Identification and Reporting (ongoing) ✐
YoloV9 | AIML | Python | OpenCV | OCR | Twilio Module | Full Stack
- **Automating** the process of tracking every person in traffic who is wearing a helmet or not.
- Encorporated the concepts of **YoloV9** for tracking rider and **OCR** for scaning number plates , for faster frames processing **OpenVino** is put into use , **Twillio** us used to send alerts to police and the fine to vechine owner using whatsapp
- Designed an interactive interface for police to moniter public using **Full Stack**

An AI-Based Student Monitering System To Analyse Student's Behaviour ✐
YoloV8 | Face Recognition | OpenCV | Twilio Module
- Designed a student tracking system that identifies the **abnormal activities** that are been done in college by using **YoloV8** and sends reports using **Twilio** through whatsapp.
- Identifies activities like usage of the phone, sleeping, eating food in class, additionally it is **automated** for providing attendance using **face Recognition** .

EDUCATION

AIML Student Trainee - IIIT Hyderabad - (Proficient)
08/2023 – 04/2024
AI , Machine Learning and Deep Learning, LLMs, Langchain ✐
Htderabad, India

Bachelor of Technology in CSE-AI&ML - MLR institute of Technology (8.38 C.G.P.A)
2020 – present

Board of intermediate - MPC - Sri Chaitanya Jr College (85.7%)
2018 – 2020

RESEARCH WORK

Published a Patent on An AI-Based Student Tracking System To Analyse The Student's Behavior ✐

Published a Research paper on An AI-Based Student Tracking System To Analyse Student's Behavior to ICACCS-24 ✐

Published a Research paper on Responsive design using HTML and Tailwnd CSS to IEEE- ICCCI 2024 ✐

SKILLS

AIML and Tech Stack

Neural Networks, Deep Learning, NumPy, Pandas, sklearn, Keras, Tensorflow, OpenCV, CNN[Yolo], Langchain, LLMs

Python, Git&Github, DSA, HTML5, CSS3, Bootstrap, TailwindCSS, MySQL, Computer Networks, Operating Systems.

CERTIFICATIONS

- Certificate of Proficiency in AIML by IIITHyderabad ✐
- AIML by TITA - Associated with university of Texas
- Facial Recognition-GUVI(attempt to world record) ✐
- Joy of compution using python by NPTEL ✐
- Mastering Git and Github by Infosys Springboard ✐