Shanu Mathew

Website | shanutmathew1703@gmail.com | LinkedIn | GitHub

Education

Medicaps University **2020-Present**
Bachelor of Technology(IT) *CGPA: 8.86*

Christukula Mission Hr. Sec. School **2018-2020**
XII-ISC (PCM) *Percentage: 82*

Christukula Mission Hr. Sec. School **2006-2018**
X-ICSE *Percentage: 88*

Technical Skills

Programming Languages:	Python, Java, C++,C
Libraries and Frameworks:	Pandas, Scikit-Learn, Seaborn, Plotly, OpenCV, Keras, Tensorflow
Tools:	PowerBi, Tableau, Docker, Streamlit
Familiar:	HTML, CSS, Javascript, SQL, BentoML

Experience

Junior ML Engineer **Sept 2023 - Present**
Omdena

- Collaborated with a diverse team at Omdena to develop a data-driven model for waste management optimization, contributing to the successful completion of the project.
- Played a vital role in the Data Collection and Exploratory Data Analysis (EDA) teams, demonstrating a strong foundation in data science and ML while gaining valuable experience as a Junior ML Engineer

Data Science Intern **June 2022 - July 2022**
Corizo

- As an intern at Corizo, successfully executed multiple data analysis and machine learning projects, showcasing proficiency in data analysis, predictive model development, and data-driven insights generation.
- Leveraged strong programming skills to effectively analyze data, construct predictive models, and deliver comprehensive data-driven solutions, contributing to the enhancement of data-driven decision-making processes.

Projects

Movie Spoiler-Shield | *Python, NLP, Javascript, Flask, BERT* **Aug 2023 - Oct 2023**

- Designed and implemented a Chrome extension to identify and filter spoilers from user reviews, enhancing the user experience.
- Developed a Flask-based API for communication between the extension and prediction models, showcasing proficiency in web Dev and NLP.

Crack-Enhancer | *OpenCV, Streamlit* **May 2023 - June 2023**

- Research-based crack enhancement tool: Implemented M2GLD algorithm and Otsu thresholding techniques to effectively enhance crack images, improving the accuracy of crack detection.
- User-friendly Streamlit Interface: Developed a user-friendly Streamlit interface that allows users to easily enhance crack images, making the tool accessible to a wide range of users.

Safe-Skull App | *YOLO, OpenCV, Flask, HTML, CSS, Javascript* **April 2023 - July 2023**

- Built an interactive Flask application with a web interface for helmet detection using image uploads.
- Implemented a robust front-end interface using HTML and CSS to provide a visually appealing and responsive user experience.