# Shanu Mathew

github | linkedin | e-mail| website

## EDUCATION

### MEDICAPS UNIVERSITY
B.Tech in Computer Science-Data Science
Expected: June 2024
CGPA: 9.0 (Till V Sem)

### CHRISTUKULA MISSION HR. SEC. SCHOOL
Higher Secondary || PCM || ICSE
Graduated May 2020 || Per: 82

## LINKS

LinkedIn:- link
Github:- link
Linktree:- link
Website:- link

## COURSEWORK

### UNDERGRADUATE
Object Oriented Programming
Database Management System
Computer Networks
Exploratory Data Analysis
Statistics and Probability
Machine Learning

## SKILLS

### PROGRAMMING
Languages:
Java • C • C++ • Python
Tools:
PowerBi • VsCode• Jupyter Notebook• MySQL •Docker
Libraries and Framework:
Pandas• Scikit-learn • Matplotlib • Seaborn •Plotly • OpenCV
Familiar:
HTML • CSS • JavaScript • SQL• R

## VOLUNTEER WORK

### ADVANCED STUDIES CLUB
Higher Education Team: Team Lead
• Created GATE exam related content for aspirants.

Technical Team: Sub-Lead
• Conducted seminars for 100+ students.
• Organized various competitions for students.

## EXPERIENCE

### CHEGG | Subject Matter Expert (Computer Science)
Sept 2022 – Present | Remote
- Worked remotely as a Theoretical Computer Science Expert at Chegg, a leading online education company.
- Demonstrated expertise in the field of theoretical computer science, providing high-quality solutions and explanations to students.
- Contributed to the growth of the company by helping students learn and succeed in their academic pursuits.

### CORIZO | Data Science Intern
June 2022 – July 2022 | Remote
- Completed multiple data analysis and machine learning projects as an intern at Corizo.
- Utilized programming skills to analyze data, build predictive models, and provide valuable insights to the company.
- Contributed to improving business decision-making processes through data-driven recommendations.

## PROJECTS

### WINE QUALITY PREDICTION APP
July 2022 | Solo Project
- Developed a machine learning model using Random Forest algorithm to predict wine quality based on physical and chemical characteristics.
- Applied advanced oversampling techniques to address class imbalance, enhancing model performance.
- Created a Streamlit application, allowing users to input wine features and providing quality predictions and probabilities.

Project Link:-Click Here

### CRACK-ENHANCER
June 2023 | Solo Project
- Research-based: Implements M2GLD algorithm, Otsu thresholding for effective crack enhancement.
- Streamlit Interface: User-friendly tool enhances crack images, aiding accurate detection.
- Skills: Streamlit, OpenCV, Image Processing

Project Link:-Click Here

### SAFE SKULL APP
July 2023 | Group Project
- Developed helmet detection site: Frontend design (HTML/CSS/JS) & Backend integration (Flask).
- Collaborative project: Created website for detecting helmets; frontend and backend roles.
- Skills: Full-stack development, Flask, OpenCV, HTML/CSS/JS integration.

Project Link:-Click Here

## CERTIFICATIONS

- Google Data Analytics: Certificate-Link
- Python for Machine Learning and Data Science Masterclass: Certificate-Link