MATHAN KUMAR R

Trippur,Tamil Nadu

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EDUCATION

SNS College of Engineering　　　　　　　　　　　　　　09 2022 – 05 2026
*B.Tech - **CGPA** - **8.4***　　　　　　　　　　　　　　　*Coimbatore,Tamil Nadu*

Sathyam International School　　　　　　　　　　　　　06 2021 – 06 2022
*XII- HSC - **Percentage** - **86%***　　　　　　　　　　　*Trippur,Tamil Nadu*

COURSEWORK / SKILLS

- Python
- SQL
- MongoDB
- Apache Spark
- Web Development

PROJECTS

Deepfake Detection ⬀ | Deep Learning, Python , LSTM　　　　　　02 2024

- Developed and implemented a deep learning-based model to identify manipulated media content (deepfakes) using convolutional neural networks (CNNs) and temporal analysis techniques.
- Leveraged datasets such as FaceForensics++ to train and evaluate the model, achieving high accuracy in detecting facial inconsistencies and temporal artifacts. Applied tools like TensorFlow/PyTorch and OpenCV for preprocessing, model training, and result visualization.

Financial Data analysis ⬀ | Spark,SQL,Python　　　　　　　　08 2024

- Conducted in-depth analysis of financial datasets to identify trends, assess performance metrics, and support data-driven decision-making.
- Utilized tools such as Python (Pandas, NumPy), Spark and SQL for data cleaning, transformation, and visualization. Applied statistical methods and forecasting models to evaluate investment risks, optimize budgeting, and generate actionable insights for financial planning.

INTERNSHIP

WebStack Academy ⬀　　　　　　　　　　　　　　　　06 2014 – 08 2024
MERN Stack Intern　　　　　　　　　　　　　　　　　　*Bangalore, India*

- Gained hands-on experience with the MERN stack (MongoDB, Express.js, React, Node.js), understanding both front-end and back-end development processes.
- Learned to build and integrate RESTful APIs, enabling seamless communication between server and client.
- Worked with MongoDB for data storage, handling CRUD operations, and optimizing database performance.

TECHNICAL SKILLS

Languages: Python,SQL, JavaScript
Developer Tools: VS Code, Android Studio, Figma,N8N
Technologies/Frameworks: Linux, GitHub, ReactJS, Git, MongoDB, Flutter

CERTIFICATIONS

- Python
- Command Line in Linux - Scalar
- Python for Data Science - Udemy
- SQL ⬀