

Jasin David Jaya Singh

Roll No.: CB.PS.I5DAS22124

Int Msc Data Science

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EDUCATION

•Integrated MSC Data Science

Amrita Vishwa Vidyapeetham, Coimbatore

2022-27

CGPA: 8.27

PERSONAL PROJECTS

•Brain Tumour Classification from MRI Images

Classified brain MRI images into tumor types using preprocessing and ML models like Random Forest and SVM.

- Developed a machine learning pipeline to classify brain MRI images into categories like **glioma**, **meningioma**, **pituitary**, and **no tumor**.
- Used:- Image preprocessing (grayscale conversion, histogram equalization, edge detection), feature extraction, and classifiers like **Random Forest** and **SVM**.

•Automated Backup & File Transfer System

A web based backup tool that automates the process of backing up in real time .

- Developed a robust, scalable system using **Django** to automate secure data backup and file synchronization across multiple servers.
- Integrated **user authentication**, server configuration, and real-time monitoring with intuitive dashboards and flexible scheduling.
- Enabled **automated file discovery**, concurrent transfers with retry logic, and **cron-based custom backup scheduling**.
- Leveraged Django ORM and Python concurrency to deliver efficient, maintainable, and enterprise-ready backup operations.

EXPERIENCE

•B2E TECHNOLOGIES

April - June 2025

WEB DEVELOPMENT INTERN

On Site

- Developed a robust and scalable backup and file transfer system using **Django**, enabling secure data synchronization across multiple servers.
- Implemented user authentication, server configuration dashboards, and automated file discovery to streamline backup management.
- Integrated concurrent file transfer operations with retry logic and detailed logging for enhanced reliability.
- Supported flexible backup scheduling via custom intervals and cron expressions with real-time monitoring and notification systems.
- Utilized Django ORM and Python concurrency to ensure maintainability and scalability for enterprise-grade deployment.

TECHNICAL SKILLS AND INTERESTS

Languages:Python, C/C++, HTML+CSS, R Programing, Tableau.

Libraries : NumPy, Pandas, Scikit-learn, OpenCV, Tesseract, Matplotlib, Seaborn .

Tools: Django, VScode, Github , Jupyter Notebook , Postman , Kaggle Notebook.

Frameworks: Django, Flask, TensorFlow

Cloud/Databases:MongoDb, Relational Database(mysql) .

Relevant Coursework: Machine Learning , Deep Learning , Graph Analytics, Data Structures & Algorithms, Operating Systems, Database Management System.

Areas of Interest: Data Science , Web Design and Development, Cloud Security.

Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability.

CERTIFICATIONS

–Business Analysis and Process Management Coursera

Completed: 2024

–Introduction to Data Analysis using Microsoft Excel Coursera

Completed: 2024

–Using Basic Formulas and Functions in Microsoft Excel Coursera

Completed: 2024