

Dennis P James

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EDUCATION

CHRIST UNIVERSITY

MSc IN DATA SCIENCE

June 2025 | Bangalore, India

Cum. GPA: 3.34 / 4.0

MADRAS CHRISTIAN COLLEGE

BSc IN MATHEMATICS

May 2023 | Chennai, India

Percentage : 81.67%

JAWAHARNAVODAYA

VIDYALAYA

12th CBSE- July 2020 | Kerala, India

Percentage : 94.6%

COURSEWORK

Programming using Python

Machine Learning

Database Technologies

Inferential Statistics using R

Natural Language Processing

Applied Excel

Deep Learning & Neural Networks

Image Analytics

Data Visualization Techniques

SKILLS

PROGRAMMING

Python, R, C++, C

DATA ANALYSIS

Pandas, Matplotlib, Seaborn,

Scikit-Learn, NumPy, Excel,

Machine Learning Algorithms

FRAMEWORKS

Flask, Streamlit

TECHNOLOGIES

HTML5, CSS3, SQL,

Tableau

CORE COMPETENCIES

Effective Stakeholder Communication,

Solution Development,

Collaborative Team Leadership,

Agile Adaptation in Dynamic

Environments

OTHERS

Singing, Volleyball, Theatre

EXPERIENCE

PRODIGY INFOTECH | DATA SCIENCE INTERN

April 2024 - May 2024

- Conducted statistical analysis and visualized Socioeconomic indicators dataset to identify global trends.
- Developed a Decision Tree Classifier to predict customer deposit outcomes with an accuracy of 78.5 percent on the test dataset.
- Performed sentiment analysis on social media data, extracting insights using TextBlob and visualizing sentiment trends with Python libraries.

PROJECTS

SMART PARKING MANAGEMENT USING DEEP LEARNING FOR UNIVERSITY PARKING | COMPUTER VISION

- Pioneered a model for smart parking management on the campus
- Deployed using computer vision, particularly based on YOLOv8.
- Provides real-time alerts and updates by detecting the parking slots
- Built an interactive analysis dashboard to provide insights into parking usage patterns and used MySQL to store and retrieve data, which helped improve parking management.

JOB RECOMMENDATION SYSTEM | NATURAL LANGUAGE PROCESSING

- Developed an AI-powered chatbot using Python and Streamlit that parses resumes and recommends suitable job opportunities.
- Implemented NLP techniques (NLTK, TF-IDF) to extract and match skills from resumes with job descriptions.
- Built a user-friendly Streamlit web app enabling resume uploads and job matches with interactive chatbot functionality.

RESEARCH

URTICARIA DETECTION USING MOBILENETV2 | DEEP LEARNING

- Engineered a deep learning model using MobileNetV2, achieving 95.5% accuracy in Urticaria detection.
- Implemented transfer learning with image resizing to 128x128 pixels and data augmentation for improved model generalization.
- Designed a Streamlit-based web application for real-time image uploads and classification.

CERTIFICATIONS

The Complete Python Bootcamp From Zero to Hero in Python - (22 hours)

UDEMY

NLP with Python for Machine Learning Essential Training

LINKEDIN LEARNING

ACHEIVEMENTS

Central Sector Scheme of scholarships for college and university students
Scholar

School Leader in higher secondary