

JOYAL JOSE

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EDUCATION

Rajiv Gandhi National Institute of Youth Development (RGNIYD)

Master of Science (MSc) - Computer Science (Data Science)

Jul 2023

Chennai, TN

GreenWoods Arts and Science College, Kannur University

Bachelor of Computer Application (BCA)

Apr 2021

Kasaragod, Kerala

PROJECTS

Automated Golf Swing Analysis | Python, Computer Vision, Deep Learning, Jupyter Notebook

- Revitalized golf swing analysis through computer vision technology, quantifying crucial parameters including swing speed and posture to deliver precise and easily accessible feedback.
- Implemented the project, resulting in a 15% increase in golfers' swing consistency as measured by reduced swing variation.
- Delivered a presentation at the National Conference.

Predictive Model for Student Performance | Python, Machine Learning, Data Analysis and Visualization

- Developed and implemented a predictive model for student performance, integrating 15+ academic and extracurricular factors;
- Accurately predicted student success with an 85% accuracy rate, enabling targeted intervention and support throughout the academic year.

Spam Classification | Python, Machine Learning, Kaggle

- Within this endeavor, our goal is to construct a machine learning model with the ability to effectively differentiate messages into two categories: "spam" or "ham" (non-spam).
- Developed spam classification, achieving 95% accuracy.

Web Application Development | HTML, CSS, PHP, JavaScript, Xampp

- Engineered an interactive web application, the Job Recruitment System, utilizing HTML, CSS, JavaScript, and PHP; optimized candidate sourcing, resulting in a 30% increase in qualified applicant pool and reducing time-to-hire by 25%.
- Established website connectivity using XAMPP for local development.

CERTIFICATIONS

Data Analytics With Python | NPTEL

Jun 2023

Affective Computing | NPTEL

Jun 2023

Data Visualization with Power BI Simplified | Udemy

Sep 2023

Deep Learning MasterClass | Udemy

Sep 2023

SKILLS

Data Science: Machine Learning, Deep Learning, Computer Vision, Data Visualization, NLP

Languages: Python, R, HTML, CSS, PHP

Frameworks: Numpy, Pandas, Matplotlib and Seaborn, scikit-learn

Databases: MySQL

Soft Skills: Collaboration, Presentation, Analytical and Effective Communication.