JOY JUSTIN J
B.Tech – Artificial Intelligence and Data Science
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PROFESSIONAL SUMMARY

AI and Data Science undergraduate with strong foundations in programming, machine learning, and core computer science subjects. Experienced in real-world AI projects, internships, and research work. Possess knowledge of system-level concepts, ethical hacking, and business strategies with a strong interest in applying AI solutions to practical problems.

TECHNICAL SKILLS

Programming Languages

- C / C++ – Beginner
- Java – Intermediate
- Python – Intermediate
- SQL – Intermediate

Development

- Full Stack Development – Intermediate

Artificial Intelligence & Security

- Machine Learning
- Data Visualization
- Ethical Hacking

Core Computer Science Subjects

- Data Structures and Algorithms (DSA)
- Database Management Systems (DBMS)
- Operating Systems
- Computer Networks
- Computer Organization and Architecture (COA)

Business Knowledge

- Business Strategies and Development

CERTIFICATIONS

- NSIC – Data Analyst Certification
- Forge – Data Visualization Certification

SOFT SKILLS

- Problem Solving
- Analytical Thinking
- Communication Skills
- Team Collaboration
- Time Management
- Adaptability

INTERNSHIP EXPERIENCE

NSIC Internship

- Hands-on exposure to data analysis and industry-oriented technical concepts
- Applied programming and analytical skills to real-world scenarios

RESEARCH PAPER

AI for Disaster Response and Relief – Predicting Flood Impact Using Satellite Imagery

- AI-based flood impact prediction using satellite image analysis
- Improved disaster response planning through machine learning

PROJECTS

Gesture Control System (Python, Computer Vision, ML)

- Developed a real-time gesture recognition system using computer vision techniques.
- Enabled touchless system interaction by mapping gestures to predefined commands.

Animal Image Classifier (Python, ML)

- Machine learning-based animal image classification
- Feature extraction and model training

Coconut Tree Disease Prediction (Python, ML)

- Disease detection using image-based ML models
- Early identification for agricultural decision support

Deep Fake Detection – Audio & Video (Java OOPS, ML)

- Detection of manipulated audio and video content
- Applied OOPS principles and ML algorithms

EDUCATION

College: P.S.V College of Engineering and Technology CGPA-8.3
B.Tech – Artificial Intelligence and Data Science