

SHRAVANI R S

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Portfolio: <https://shravaniroyal.github.io/portfolio-website/>

PROFILE

Associate Software Developer Intern candidate pursuing M.Tech in Data Science & Artificial Intelligence at IIIT Dharwad, with a B.E. (Hons.) in Artificial Intelligence & Machine Learning. Strong foundation in computer science fundamentals including data structures, algorithms, object-oriented programming, and software development using Python and Java. Experienced in building modular, maintainable applications through internships and academic projects. Motivated to solve large-scale real-world problems and contribute to high-impact engineering teams.

TECHNICAL SKILLS

Programming Languages

- Python, Java, SQL

Computer Science Fundamentals

- Data Structures (arrays, strings, hashing, stacks, queues)
- Algorithms (searching, sorting, recursion basics)
- Object-Oriented Programming (design principles, inheritance, encapsulation)

Software Engineering

- Clean code, modular design, debugging
- Version control (Git), code reviews

Other Skills

- Problem solving, code optimization
- Technical communication (English)

EDUCATION

Indian Institute of Information Technology (IIIT), Dharwad

M.Tech – Data Science & Artificial Intelligence

2025 – 2027 (Pursuing)

Rajarajeswari College of Engineering

B.E – Artificial Intelligence & Machine Learning

Nov 2021 – Jul 2025

CGPA: 8.3

INTERNSHIP EXPERIENCE

Infosys Springboard – Machine Learning Intern

Nov 2024 – Dec 2024

- Designed and implemented Python-based data processing pipelines using modular, reusable components.
- Applied structured workflows for preprocessing, feature extraction, and evaluation to improve model reliability.
- Used Git for version control and followed clean coding and documentation practices.
- Collaborated in a learning-driven environment to debug, optimize, and validate solutions.

Roaman Technologies – Data Science Intern

Oct 2024 – Dec 2024

- Developed optimized SQL queries and Python scripts to support analytical use cases.
- Translated business requirements into executable technical solutions.
- Participated in team discussions and code reviews to improve solution quality.

PROJECTS

Space Traffic Density Prediction System

- Built an end-to-end Python application handling data ingestion, preprocessing, and prediction.
- Designed efficient data structures for temporal-spatial data handling.
- Focused on code readability, modular design, and execution efficiency.

Biometric Watermark System (CNN + Encryption)

- Built a modular application combining biometric authentication with encryption logic.
- Implemented CNN-based feature extraction and secure data handling workflows.
- Focused on system robustness, maintainability, and correctness.

Human Emotion Detection Application

- Developed a real-time computer vision application using Python and OpenCV.
- Implemented image preprocessing, classification logic, and live camera integration.
- Strengthened understanding of algorithmic flow and performance constraints.

CERTIFICATIONS

- Deep Learning for Developers – Infosys
- Natural Language Processing – Infosys
- Data Science – Infosys
- Machine Learning & Image Processing – Mevi Technologies

ADDITIONAL INFORMATION

- Fluent in English for technical discussions
- Strong analytical and debugging skills
- Comfortable learning new programming languages and tools quickly