

JOYCE MARY S

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Portfolio:<https://joyce-1104.github.io/portfolio/>

OBJECTIVE

A dedicated Final-year Artificial Intelligence and Data Science student with a strong foundation in software development and problem-solving skills.Adept at programming, research, and design, with a strong foundation in Python, Java, and web technologies. I enjoy working on interdisciplinary projects that combine software, hardware, and creative design. Seeking opportunities to apply my skills in challenging environments and contribute to impactful solutions.

EDUCATION

B.Tech Artificial Intelligence and Data Science , SIMATS Engineering ,Thandalam.

Expected Graduation:May,2026.

Relevant coursework: Python Advanved Leve; with Django Framework - 2Month [FITA Academy].

CGPA: 8.5 | HSC : 83.5% | SSLC:96%

TECHNICAL SKILLS

- Programming Languages: Python, Java [Basics].
- Web Technologies: HTML, CSS.
- Frameworks: Django, Flask.
- Database Technologies: MySQL.
- Tools: GitHub, VS Code, PyCharm.
- Others: CorelDRAW, Canva.

SOFT SKILLS

- Problem-Solving
- Team Collaboration
- Time Management
- Communication
- Adaptability
- Critical Thinking

INTEREST

- Canvas Painting & Wall Murals
- Art and Crafts (handmade decor, DIY projects)
- Exploring tech innovations through DIY electronics

PROJECTS

- **Student Management System:** A web-based platform to manage student attendance and academic performance.
- **Interior Design Web Page:** A static showcase website for interior design inspiration. Users can navigate to specific areas, such as the kitchen or living room, and are redirected to external design portfolios for inspiration.
- **Automated Search Box:** A minimal, Chrome-like search interface that simulates a browser search bar. It allows users to type in queries and redirects them to appropriate search results.
- **Project idea Recommender:** An idea-suggestion web app that recommends academic project topics to students. Suggestions are based on keywords or interests entered by the user.
- **Medical Image Segmentation using 3D U-Net & ViT:** This project uses advanced deep learning algorithms (3D U-Net and Vision Transformers) to detect and segment osteoarthritis-affected regions in MRI images.
- **Earthquake Prediction using LSTM, CNN, Transformers & XGBoost:** An intelligent system built to predict earthquake occurrences based on seismic data. Combines time series and classification models for higher accuracy and faster predictions.
- **UVC Sanitization Robot with Mosquito Repellent:** It is my final-year robotics project, the Smart Autonomous Sanitization and Mosquito-Control Robot is a fully automatic hygiene solution designed for indoor use.

CERTIFICATIONS

- Python Advanced Level With Django Framework - Fita Academy
- SQL and Relational Databases 101- Cognitiveclass.ai- IBM
- Diploma in Computer Application - TNCS Certified
- Diploma in Desktop Publishing - TNCS Certified
- Python(Basic)-HackerRank
- Tableau for Data Visualization - ITSolutions
- Google Analytics - Google
- Data Analytics - Deloitte
- Oracle SQL - PROFESSIONAL CERTIFIED

INTERNSHIP

Web Development - Online food ordering website using HTML, CSS, PHP, MySQL - CodeBlind Technologies

AWARDS

- Best Research Award
- Best Student Award - Wisdom Academy and JLIRF
- Paper Presentation - Velammal Institute of Technology