ALWIN JOSEPH

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PROFILE

Computer Science and Business Systems graduate with strong programming skills and hands-on experience in software development. Proficient in frontend development, AI model integration, and technical problem-solving. Passionate about building scalable systems and implementing intelligent, user-centred software solutions through analytical engineering.

EDUCATION

Rajagiri School of Engineering and Technology | 2021-2025

B.Tech in Computer Science and Business Systems

Sacred Heart Higher Secondary School | 2021

Higher Secondary Education

EXPERIENCE

Gensys | Rajagiri School of Engineering and Technology | 2024

Creative Lead

- Led a cross-functional team to develop visual branding and digital assets, ensuring alignment with overall project goals.
- Mentored team members on design tools and technical best practices to improve the quality of digital deliverables.
- Collaborated with executive leadership to translate complex ideas into clear, functional documentation and project roadmaps.

Keltron Controls, Aroor | 2024

Website Design and Developing Intern

- Assisted in designing and developing the interface for Underwater Communication Protocol System (UCAPS).
- Designed and developed the user-to-component communication interface, focusing on Human-Computer Interaction.

PROJECTS

SHMS - Smart Health Management System | AI Researcher & Model Developer

- Collected and preprocessed medical datasets (MIMIC-CXR, NIH Chest X-Ray) to train AI models for health data interpretation.
- Built and optimised models using YOLOv5 for medical image analysis and Pegasus for text summarisation.

HomeChef | UI/UX Designer & Developer

- Performed requirement analysis and developed a responsive, full-scale mobile frontend using Figma and development frameworks.
- Developed functional high-fidelity prototypes to simulate a seamless online food delivery software experience.

TECHNICAL SKILLS

- **Programming**   : React, TailwindCSS, HTML5, CSS3, JS, Flutter, C++, C, Python, R.
- **AI & ML**   : YOLOv5 , Pegasus.
- **Version Control**   : Git/Github
- **Design Tools**   : Figma, Adobe Photoshop, Illustrator, Blender, Premiere Pro.
- **UX Skills**   : User-Centred Design, Wireframing, Prototyping.