Milan Abraham Thomas

+91 8921719068 | milanabrahamthomas@gmail.com | https://www.linkedin.com/in/milan-abraham-thomas-654890249/ |
https://github.com/milan721

EDUCATION

Mangalam College Of Engineering	Ettumanoor, Kerala
Computer Science And Engineering	*2021 – 2025*
Good Shepherd Public School	Thengana,Kerala
BioMaths	*2019 – 2021*
Indian School Al-Ain	Al-Ain,UAE
CBSE	*2019*

EXPERIENCE

Graduate in Computer Science and Engineering — November 2021 – April 2025
Mangalam College of Engineering — *Ettumanoor, Kerala*
- Developed an Inventory Management System to to streamline the process of inventory control, from procurement to storage and from sales to replenishment.
- Developed an IoT based Landslide Detection System along with a Web application that detects the occurrence of landslides for effective disaster preparedness and response, ultimately reducing the impact of landslides on vulnerable populations.

PROFESSIONAL DEVELOPMENT

Git, GitHub, and Version Control Workshop — August, 2024
IEEE Computer Society, Mangalam College of Engineering — *Ettumanoor, Kerala*
Participated in a workshop on Git, GitHub, and version control techniques.

Galactic Problem Solver — October, 2024
NASA International Space Apps Challenge
Recognized for participation and efforts to address challenges faced on Earth and in space during the global hackathon event organized by NASA.

PROJECTS

Bookstore | *React, JavaScript, HTML/CSS* — December, 2025
- Developed a full-stack React-based online bookstore featuring secure Stripe payment integration for seamless user purchases.
- Built dedicated User and Admin modules, enabling users to browse, buy, and review books while admins manage inventory, approve/reject books, and oversee user activity.
- Implemented responsive UI, role-based access control, CRUD operations, and real-time updates, delivering a scalable and efficient e-commerce experience.

Chatapp | *JavaScript, HTML/CSS, Socket io* — September, 2025
- Built a real-time chat application using JavaScript, Socket.io, HTML, and CSS, enabling instant messaging between connected users.
- Implemented core features such as live messaging, active user display, message broadcasting, and automatic updates without page refresh.
- Designed a responsive and user-friendly interface while ensuring smooth WebSocket communication and stable server-client connections.

Inventory Management System (Mini - Project) | *Reactjs, JavaScript, HTML/CSS,* — April, 2024
- Developed an Inventory Management System to streamline the process of inventory control, from procurement to storage and from sales to replenishment.
- Ensured system reliability and real-time performance for effective inventory management management.

IoT Based Landslide Detection (Main - Project) | *Python, Flask, HTML/CSS, JavaScript* — March, 2025

- Developed an IoT based Landslide Detection System along with a Web application that detects the occurrence of landslides for effective disaster preparedness and response, ultimately reducing the impact of landslides on vulnerable populations.
- Integrated a developer panel for monitoring sensor data and system performance.
- Sensors provide real-time monitoring of specific locations, delivering immediate data on ground movement and other critical parameters to effectively assess the risk of landslides.

TECHNICAL SKILLS

Languages: HTML, CSS, JavaScript, C, Python, SQL.
Frameworks: MongoDB, Express(js), React, Node(js)
Developer Tools: Git, Visual studio Code, Figma, Pycharm, intellij, blender, spline.