# Mukesh T

M.Sc.Software Systems(Integrated) · at.mukesh01@gmail.com · 9597820396 · Kangeyam,India · Mukesh T
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## PROFILE

Software Engineering student driven by the process of deconstructing complex problems to build robust, scalable solutions. Leveraging a strong academic foundation in algorithmic design and data structures, I have architected end-to-end software systems and predictive models. Eager to apply this problem-solving mindset and collaborative spirit to a challenging internship role.

## EDUCATION

**M.Sc. Software Systems(Integrated),** Coimbatore Institute of Technology
CGPA: 7.1/10
2023 – Present
Coimbatore, India

**HSC,** Bharathi Vidya Bhavan
Aggregate: 88%
2021 – 2023
Erode, India

**SSLC,** Vivekanandha Academy (CBSE)
Aggregate: 85%
2019 – 2020
Kadaiyur, India

## PROJECTS

**Process and product optimization tool, (Django)** — May 2025 – Oct 2025
- Developed a predictive validation algorithm utilizing 20+ non-linear parameters, achieving 98% accuracy to replace offline manual testing with real-time software inference.
- Engineered an autonomous closed-loop control system that optimized throughput by 15%, implementing real- time anomaly detection logic to programmatically correct data variance.

**E-commerce website, (HTML, CSS, JavaScript, Node.js, MySQL)** — Nov 2024 – Sep 2025
- Designed a normalized relational database schema to capture customer demographics and logistics metadata, ensuring data consistency for the programmatic generation of shipping manifests and fulfillment reporting
- Architected a full-stack order tracking module by integrating an event-driven backend pipeline with a responsive frontend UI, displaying real-time logistics metadata with 99.9% accuracy..

**Immediate Update in Banking, (C++)** — Feb 2025 – Apr 2025
- Programmed a multi-bank transaction simulator using C++ and Object-Oriented Programming (OOP), utilizing STL containers to model complex financial interactions between 50+ distinct account entities.
- Implemented robust exception handling mechanisms to manage 10+ critical edge cases, ensuring 100% data integrity during simulated network failures and atomicity errors.

**GameHub, (Frontend & backend)** — Mar 2025 – May 2025
- Engineered a modular desktop platform using Java and Object-Oriented Design (OOD), reducing code redundancy by 30% via shared inheritance structures and utility classes.
- Implemented a dynamic event-handling system to manage application state, enabling zero-latency context switching between distinct functional modules within a unified interface.

## SKILLS

| Languages | Web frameworks | Databases | Tools |
|---|---|---|---|
| Python, C++, JavaScript | ReactJS, Django, NodeJS, Angular | MYSQL & Oracle | GitHub, Linux ,Git (Version control), VS code |

## AREAS OF INTERESTS

- Web Development
- Database Management System
- Full-Stack Software Engineering

## ACHIEVEMENTS

**1st Place- Smart India Hackathon (Internal),** Coimbatore Institute of Technology — Jun 17, 2025
Trained a genomic classification model using Machine Learning to analyze DNA sequences, enabling the precise identification of aquatic species to support biodiversity conservation and ecosystem monitoring.

**2nd Place- Red light green code,** Coimbatore Institute of Technology — Nov 01, 2024
Coding contest conducted by the department of computing.

**Winner- District Chess Championship,** Tamil Nadu State Chess Association
Qualified for the State Level Chess Championship, demonstrating strategic planning and critical thinking.