

Mahi Kumari

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OBJECTIVE

Aspiring Software Engineer with hands-on experience in **coding, testing, and software development**. Skilled in developing AI-driven solutions, dashboards, and end-to-end applications. Passionate about applying technical expertise to solve real-world problems and contributing effectively in collaborative environments.

EDUCATION

Sikkim Manipal Institute of Technology

Bachelor of Technology (Computer Science): 8 CGPA

Majitar, Sikkim

Graduation Date: Jul 2027

TECHNICAL SKILLS

Languages: Python, C++, SQL, MongoDB, Java

Theoretical: Problem-solving and Data Structures & Algorithms, DBMS, Operating systems

Courses: [Level 3 Gen AI: Prompt Engineering](#), [Google Cloud Computing](#), [Python Programming](#), [Google CyberSecurity](#)

PROJECT EXPERIENCE

AutoHostel CRM (Complaint Resolution Manager)

- Led the development and deployment of a Hostel Complaint Management System with role-based dashboards.
- Implemented features for complaint submission, history tracking, sorting/filtering, and real-time status updates for students and wardens.
- Tech Stack: React.js, Node.js, MySQL, Express.

Phishing Email Detection

- Developed and deployed a Machine Learning-based Phishing Email Detection System that achieved 95% accuracy in classifying emails.
- Built a feature extraction pipeline that improved large-scale email analysis, enabling the detection of thousands of phishing attempts.

Mini Intrusion Detection System

- Created a Python-based IDS project that integrates machine learning models with traffic logs to detect attacks, presented through an easy-to-use dashboard.
- Designed an interactive Flask dashboard to visualize anomalies and provide real-time alerts.

Video Indexing and Content Retrieval

Start Date - Finish Date

- Led a collaborative project with a team of 5 to enhance video indexing and content retrieval, leveraging lightweight YOLO models with real-time face detection and object tracking to improve search accuracy and retrieval speed.
- Implemented a real-time video indexing system using lightweight YOLO models, integrating face detection and object tracking, enabling efficient metadata generation for large-scale video datasets.

ACHIEVEMENTS

- Runner-up in DSA Contest (Code Rush) at the college Tech Fest
- Solved 200+ Leetcode problems
- Completed Level 3 Gen AI: Prompt Engineering & Google Cloud Computing certifications.
- DSA LEAD (ENCODERS - SMIT):
Currently serving as DSA Lead at Encoders Coding Club.