# Prashanna Kumar S

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## EDUCATION

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|---|---|---|
| 2022 - present | Bachelor's Degree at **SSN College of Engineering** | (CGPA: 8.169/10) |
| 2022 | Class 12th State Board | 587/600 |
| 2020 | Class 10th CBSE | 474/500 |

## WORK EXPERIENCE

**Research Intern - IITDM Kancheepuram**                                    Jun 2025 - Aug 2025

Thermal-to-Visible Face Recognition - Built a GAN-based model (UNet-Res + PatchGAN) with multi-loss training to generate identity-preserving visible faces from thermal images.

## PROJECTS

**Internship Tracker Application**

This application is designed to manage and track students' internship details using the MERN stack(MongoDB, Express.js, ReactJS, NodeJS). It integrates Google Drive API for secure document storage and retrieval.

**Real-time Indian Sign LanguageDetection**

Developed a real-time Indian Sign Language(ISL) alphabet detection system using YOLOv8(ultralytics) and Roboflow.

**Expense Tracker App**

This app is designed to track users' expenses and analyze their spending patterns. It leverages an AI model to provide personalized financial suggestions and insights. The goal is to promote smarter money management and budgeting habits.

## SKILLS

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| Programming Language | Java, Python, C, Dart, JavaScript |
| Databases & Tools | Oracle SQL, MongoDB, Git/Github, MS Office Suite, Google Colab |
| Languages & Frameworks | HTML, CSS, ReactJs, NodeJs, Flutter |
| Technical Skills | Web Development, App Development, Machine Learning, Deep Learning |
| Other Skills | Project Management, Leadership, Problem-Solving |

## PUBLICATIONS

- **Smart Vehicle Security and Safety System: Integration of Theft Detection and Safety Control**, IEEE International Conference, Jul 2025.

## COMPETITIONS & ACHIEVEMENTS

- **Intel GenAI Hackathon** – Participated in developing AI-driven solutions using advanced GenAI models.

- **Internally Funded Student Project (IFSP)** – Selected among the **Top 15 teams** in college to receive funding support for innovative project development.

## CERTIFICATIONS

- **Affective Computing** – NPTEL

- **Privacy and Security in Social Media** – NPTEL