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A Computer Engineering student with entry-level experience specializing in Python, C++, JavaScript, application development, and software. Adept at collaborating with diverse teams to develop creative technical solutions for complex software engineering problems. Joint Secretary of CSE Department

SOME OF MY PROJECTS

Smart White Cane Stick

2022 (SIH 2022 Winner)
[Indian Ministry of Health and Welfare]
[Patent No: 202241060687]

Developed nvidia Jetson Nano based device (white cane) with day saving features such as voice assistant, real-time objects detection with it's position in the frame will be intimated in real time to user through TTS and Bluetooth device, real time language translation, emergency SOS, live location tracking and web dashboard. Field tested MVP with VI and found impactful feedback .

Students Activity Portal

2023

Developed an interactive management portal using Flask and MongoDB for my college management team for tracking student achievements to provide reward points and to monitor leaves and on duties including security clearance which is actively being implemented in the campus for over 7k students.

Polycypal Extension

2023

Developed an AI based browser extension which is featured in product hunt. It analyzes and summarizes T&Cs and privacy policies using transformers AI model backend and Fast API. The extension has the potential to help users make more informed decisions about their online privacy.

EDUCATION

BE Computer Science and Engineering

Bannari Amman Institute Of Technology
Sathyamangalam.

8.5 CGPA (Until 3rd Semester)

[Pursuing] 2021-2025

SKILLS & PROFICIENCIES

- **Programming Languages**
 - Python | (Expert)
 - Java | (Proficient)
 - C, C++ | (Expert)
 - PHP | (Proficient)
 - Rust | (Beginner)
- **Full Stack Development**
 - HTML, CSS, JS | (Expert)
 - Django | (Beginner)
 - Flask, Fast API | (Proficient)
 - ReactJS, NodeJS, ExpressJS | (Proficient)
 - NextJS | (Beginner)
 - MySQL, MongoDB | (Proficient)
- **Data Structures and Algorithms**
 - OOPS | (Proficient)
 - DSA | (Beginner)
- **React Native (Expo) | (Beginner)**
- **Arduino, Arduino IDE | (Proficient)**
- **Soft Skills**
 - Leadership, Teamwork, Problem Solving
 - Communication
 - English (Fluent)
 - Tamil (Native)