Yash Kuchiya

Jhansi kuchiyayash16@gmail.com +91 8957945347 in yashkuchiya KuchiyaYash

Technical Skills

Languages: Java, C++, Embedded C, Verilog HDL

Frameworks and Tools: OpenCV, Matlab, Multisim, Tinker CAD

Fundamentals: Embedded Systems, VLSI Design, Fundamentals of IOT, Data Structures and Alogorithm

Education

Vellore Institute of Technology, Bhopal   *Aug 2021 – May 2025*
B Tech in ECE Spec. AI and Cybernetics
- CGPA: 8.35/10

Macro Vision Academy, Burhanpur   *April 2019 – May 2020*
Class 12th
- Percentage: 75.8

Jai Academy, Jhansi   *April 2017 – May 2018*
Class 10th
- Percentage: 77.5

Experience

VLSI Design Internship Program   *Remote*
Maven Silicon   *Aug 2023 – OCT 2023*
- Assignment was to create SPI Design using Verilog HDL
- During my internship at Maven Silicon, I gained hands-on experience in designing and implementing SPI Design using HDL, contributing to development of a project

Projects

Surround View System
- The Surround View System is an advanced driver-assistance system designed to provide a 360-degree view of a vehicle. It integrates multiple camera feeds around the car to deliver a real-time composite image of the vehicle's surroundings, enhancing safety and simplifying parking maneuvers
- Technologies Used: C++ (Modules and Libraries like Open CV and Akaze Algorithm)

Smart Helmet for workers
- The Smart Helmet is an innovative safety device designed to protect and assist workers in hazardous environments, such as construction sites, manufacturing plants, and mining operations. The helmet integrates advanced sensors and communication technologies to monitor worker health, ensure compliance with safety protocols, and provide real-time alerts for potential dangers.
- Technologies Used: Arduino Uno, Embedded C, Wifi-module, LM-35, MQ-7

Certifications

Maven Silicon VLSI Design Methodologies, Matlab Fundamentals, AWS Cloud Practitioner

Extracurricular Activities

- Was in top 10 runner up teams in final round of BGSW Hackathon - Auto Vision X
- Head of Finance at Cyber Warrior club, VIT Bhopal
- Managed Aavahaan (April 2023) and AdVITya (August 2023) Volleyball Tournament
- Hobbies: Avid Reader, Travelling and exploring distant lands