

# HIMA V

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## PROFILE

Electrical and Computer Engineering graduate with expertise in AutoCAD. Proficient in C, Java, and microcontroller programming, including Arduino-based automation. Strong problem-solving abilities and a creative mindset, focused on designing innovative solutions that bridge hardware and software integration. Quick learner hardworking and team-oriented, with hands-on leadership experience gained through academic projects. Eager to contribute to impactful projects and further enhance my technical and professional expertise in dynamic, hands-on environments.

## TECHNICAL SKILLS

AutoCAD  
Java

HTML  
C Programming

Arduino

## SOFT SKILLS

Inter-Personal Skills  
Critical Thinking  
Problem Solving Skills

Leadership Skills  
Team Collaboration

## PROJECT

### Solar - Powered Landslide Detection and Early Warning System Using IOT (BTech Final Year)

Designed and developed a real-time landslide detection system using the ESP32 microcontroller, integrating soil moisture, gyroscope/accelerometer (MPU6050), and pressure sensors for accurate environmental monitoring. Programmed data collection and wireless transmission to Firebase Cloud using C/C++, and implemented GSM functionality for instant SMS alerts and local siren activation. The system was powered by solar panels and a rechargeable battery to support autonomous operation in remote, disaster-prone areas. Additionally, created a user-friendly interface for live monitoring and risk analysis, with a focus on energy efficiency and low-maintenance deployment.

## CERTIFICATION

Completed workshops and certification in AutoCAD for 2D/3D technical drawing and drafting.

## EDUCATION

### Bachelor of Technology

Electrical and Computer Engineering  
College of Engineering Kidangoor  
2021 - 2025  
CGPA-7.05

### Higher Secondary Education

GBHSS Madayi  
2019-2021  
92.08%




### Matriculation

PJHSS Madayi  
2018-2019, 93%

## EXTRACURRICULAR ACTIVITIES

NSS Volunteer  
RED RIBBION Club Coordinator  
Lumiere'23 Core Committee Member  
EMERGE Committee Member  
Lumiere'25 Registration Committee Head

## CONTACT

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