

# PENNAM KOUSHIK MANI

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Confident, committed, and smart individual looking to get a job opportunity in a competitive environment where I can utilize my skills in the best possible manner to contribute to the growth of the organization and to push my boundaries and expand my knowledge.

## EDUCATION

<b>Course: BTech ECE, 8.68 CGPA</b>	2022-2025
Madanapalle Institute of Technology and Science, India	
<b>Diploma (ECE), 77%</b>	2019-2022
Government Polytechnic Ananthapur , India	
<b>Secondary Education, 9.5 GPA</b>	2018-2019
Sri Sai Chaitanya Techno School, India	

## PROJECTS

### Design a Millimeter Wave MIMO Antenna for High Frequency Applications

Duration: 1 Month

Team Size: 3

**Abstract:** Dual-Band mmWave Patch Antenna Design & Simulation Designed and optimized a dual-band patch antenna for 5G mmWave applications at 24 GHz and 38 GHz using CST Studio. The 8 mm × 8 mm copper patch on a Rogers AD250D substrate achieves efficient bandwidth, gain, and beamwidth, overcoming challenges like thermal drift and dielectric losses. Future enhancements explore phased arrays and advanced substrates to refine performance for next-gen 5G connectivity.

### Bluetooth-Connected 7-Segment Display Using Arduino UNO

Duration: 3 Month

Team Size: 3

**Abstract:** This project demonstrates the implementation of a Bluetooth-controlled 7-segment display using an Arduino UNO. The system enables wireless communication via a HC-05 Bluetooth module, allowing users to send numeric data from a smartphone or other Bluetooth-enabled device to be displayed on a 7-segment LED display

### Simple Banking System by Using Python

Duration: 1 Month

Team Size: 1

**Abstract:** Simple Banking System is a Python Programming Project that Simulates the basic functionalities of Banking System. This project Aims to Create a Command Line Interface Applications that allows users to Create Bank Accounts, make Deposits, Withdraw Funds, Check Account Balance and Perform other Basic Banking Operations.

## SKILLS & OTHER AREA OF INTEREST

- |                                 |                                     |                               |
|---------------------------------|-------------------------------------|-------------------------------|
| <input type="checkbox"/> Python | <input type="checkbox"/> PostgreSQL | <input type="checkbox"/> JAVA |
| <input type="checkbox"/> CSS    | <input type="checkbox"/> HTML       |                               |

## CERTIFICATIONS & ACHIEVEMENTS

- 8 weeks online course in “Research methodology” from NPTEL, IIT Madras on Oct 2023 with 86%.
- Completed a python internship in Skill Hacc.
- Completed CCNA Certification on Introduction to networking.
- Completed CCNA Certification on Routing and Switching Concepts Using Packet Tracer.