



Ansil Bayan

Roll No.: B200197EE

B.Tech

Electrical and Electronics Engineering

National Institute of Technology, Calicut

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Kerala, India

GitHub Profile

LinkedIn Profile


EDUCATION

- National Institute of Technology, Calicut** 2021-25
B.Tech in Electrical and Electronics Engineering CGPA : 7.51
- GHSS Thirurangadi** 12th Percentage: 97.3
CBSE, Kerala 10th Full A1

EXPERIENCE

- Grafito Innovations Private Limited** 26th June - 29th July, 2023
Intern
 - Developed a Python GUI with PyQt5, creating a communication bridge for ESP32 through ROS and microROS, allowing accurate control of motor rotations.
 - Employed microROS and FreeRTOS in crafting ESP32 code, enabling precise management of various motors and sensors, and designed the corresponding PCB on the EasyEDA platform.
- NPOL Cochin, DRDO** May 16 - June 27, 2022
Intern
 - Worked on the "Password Matching Front End for Acoustic Demodulator project, involving the design and implementation of a password matching algorithm in a PIC18F microcontroller.
 - Developed a low-power analog demodulator circuit using AD633 analog multipliers and an operational amplifier, integrated with a 4-bit decoder system and microcontroller-based password matching system.
- IIIT Kottayam** Dec 1, 2021 - June 1, 2022
Trainee Intern
 - Developed a lightweight symmetric encryption algorithm, facilitating encryption of text and diverse image formats.
 - Undertook a detailed performance evaluation of the algorithm, benchmarking its throughput and avalanche effect against prevailing encryption methods.
- Tathva 2022**
Senior Executive Head in Tathva Programming Committee
 - Successfully planned, organized, and executed various electronics-related events, attracting enthusiastic participation and achieving remarkable success.

PERSONAL PROJECTS

- Multiplayer Puzzle Game Webpage**
Developed a multiplayer puzzle game web page using HTML, CSS and JavaScript, featuring an unbeatable AI engine and customizable difficulty levels.
- Python Puzzle Games Collection with User-Friendly GUI**
Designed and implemented various puzzle games like Tic Tac Toe, Sudoku Solver, and Split using Python, accompanied by a user-friendly interface built with Python GUI.
- Portfolio Website** 
Created a responsive portfolio website, showcasing my skills, achievements, projects, and more.
- Hotel Management System**
Developed an efficient hotel management system, including room bookings, guest information, and billing, using Python and MySQL.
- Expense Tracker Android App**
Developed an Android app using Flutter and Dart for efficient expense tracking and management.
- Temperature Prediction and Analysis using ML**
Utilized Machine Learning to analyze past temperature data and predict temperatures for upcoming years.

TECHNICAL SKILLS

Proficient in Python, Pytorch, TensorFlow, NLP, HTML, CSS, JavaScript, Flutter and Dart, MySQL, ROS2 and MicroROS, Embedded C, Git, LaTeX, Docker, and experienced in Web Development, App Development, and Circuit Design.

Software Proficiency: Proficient in SAP ERP, SAP business suite, Visual Studio Code, Matlab, Proteus, LTSpice, Arduino IDE, ESPIDF, Jupiter Notebook, EasyEDA, KiCAD, FluidNC and MPLAB IDE.

ACHIEVEMENTS

- 6-Star in HackerRank for Problem Solving**
- Received Felicitation for Performance in Olympiads (IMO, RMO and NSO)**