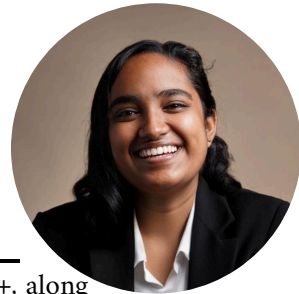# NANDANA P

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Profile Summary

B.Tech student in Electronics and Communication Engineering at NIT Calicut familiar with Python and C++, along with hands-on experience in project development and data visualization. As IEEE SIGHT Chair, successfully led projects and secured international funding for a solar-powered digital hub. Strong leadership and communication skills, demonstrated through effective coordination of events and collaboration in cross-functional teams.

Education

2021 – 2025   **National Institute Of Technology, Calicut,** B.Tech in Electronics And Communication Engineering
- Current CGPA - 7.16

2015 – 2021   **Kendriya Vidyalaya Rubber Board Kottayam**
- AISSCE 2021 - CBSE 12th (92.8%)
- AISSE 2019 - CBSE 10th (95.4%)

Internship Experience

2023/05 – 2023/07   **Setting up and configuration of the log server along with its visualization tools**
Place: CSE Dept, National Institute of Technology Calicut
- Selected an appropriate log management solution after extensive research study.
- Installed and configured pfSense for firewall and network gateway.
- Implemented Graylog for log aggregation, parsing, and indexing, and visualized data insights using Grafana dashboards.

Core Competencies

Python | C++ | SQL Database basics
Leadership | Effective Communication | Problem Solving | Teamwork and Collaboration

Academic Projects

1) Function Generator Using Op-amp
Designed and implemented a function generator using an op-amp that generates square, triangular and sine waves with different frequencies.

2) Wireless Switch Circuit
Completed a project on wireless switch circuit using J-K Flipflop. Gained experience in the field of op-amps and flip-flops through this project.

Hobby project

Spam Email Classifier: Developed a ML-based spam email classifier using logistic regression to identify spam messages.

Certifications

2024   **SQL and Relational Databases 101,** Online course by IBM
SQL basics

2024   **Elements of AI:** Online course by the University of Helsinki
Introduction to AI

2019   **Python,** Course by G-TEC Computer Education
Secured an A+ grade in the Python course.

Position Of Responsibility

1) IEEE SIGHT Chair of the NITC student branch
- Secured international funding of **$3,785** from IEEE HAC for completion of Solar Powered Digital Hub
  A **Humanitarian** Project by IEEE SIGHT NITC SB
- Transformed the public library in Anakkampoyil into a digital hub equipped with solar panels.

2) The Indian Cultural Association, NITC, Media Head
Coordinated events where 500+ students participated.

3) Class Representative - 2024

Achievements

2022   **Finalist of Smart India Hackathon, Hardware edition, Faridabad**
Project on Automatic Scanning Machine The project aimed to reduce human intervention in the scanning process by automatically turning pages. It converts scanned images into digital text format and includes a feature that enables individuals with disabilities to convert the text into audio.