

NIRANJANA PRASAD

ELECTRICAL AND ELECTRONICS ENGG. (B. TECH 4 YEAR)

niranjanaprasad2003@gmail.com | <https://www.linkedin.com/in/niranjana-prasad-2003np>



Engineering graduate from NIT Calicut with a strong interest in Python development and backend programming. Proficient in Python with hands-on experience through academic and personal projects involving data handling, automation, and basic machine learning. Eager to apply my skills, grow in a real-world development environment, and contribute to a team as a Python Developer Intern. Strong foundation in problem-solving, logic building, and a continuous learner mindset.

EDUCATION

NATIONAL INSTITUTE OF TECHNOLOGY , CALICUT	2021-2025
Bachelor of Technology in Electrical and Electronics Engineering with 6.90 CGPA	
SILVER HILLS PUBLIC SCHOOL, CALICUT	2018-2021
Completed class 12th with 89.6 % and class 10th with 95.6 %	

WORK EXPERIENCE

Editorial Team Leadership – NITC

- Led a student editorial team to enhance campus engagement through data-informed content strategies. Streamlined content workflows and publication across multiple platforms, resulting in a 30% boost in visibility. Developed strong skills in project coordination, documentation, and communication—essential for collaborative tech environments.

Media Strategy and Reporting

- Directed media reporting at Tathva 24, achieving national coverage including The Indian Express. Utilized data and analytics to guide media planning and improve outreach by 40%. Strengthened skills in data interpretation, stakeholder communication, and performance tracking—transferable to data-centric development roles.

Promotional Design Management

- Managed the design team for a major national college fest, ensuring high-quality and timely content delivery. Increased user engagement by 25% through compelling promotional strategies.

Electrical Operations Internship – KSEB

- Completed a hands-on internship at Kerala State Electricity Board with exposure to real-time grid operations. Gained insight into load management and data-driven system control. Participated in team reviews and earned certification for performance.

PROJECTS AND CERTIFICATIONS

PROJECTS

Personal Portfolio Website

- Developed a personal portfolio website using HTML, CSS, and JavaScript, featuring project showcases, a contact form, and multi-page navigation. Deployed using GitHub Pages.

Bug Tracker System

- Built a web app for reporting, tracking, and managing software bugs across different projects. Key Features: User authentication (developer/tester roles), Create and assign bugs to projects, Status updates (Open, In Progress, Resolved), Search and filter functionality

Flask-Based API for a Task Management App

- Designed a RESTful API backend for a productivity/task management app. Key Features: User registration/login using JWT, Create, update, delete tasks with due dates, Task prioritization and filtering, Rate limiting & API documentation .

Smart Parking Control System

- Developed a Python-based image recognition system to track real-time parking slot availability using **Cursor AI**. Applied structured control logic for instant system responses, mirroring principles of internal control design and logic verification. Ensured high accuracy and efficiency through real-time data processing and AI-powered recognition.

CERTIFICATIONS

Machine Learning Algorithms in Python – Udemy

- Mastered key AI-driven machine learning algorithms using Python, including supervised and unsupervised learning techniques. Gained hands-on experience with AI models for classification, regression, clustering, and pattern recognition. Applied AI techniques to real-world datasets, enhancing predictive accuracy and model optimization.

NPTEL Elite Certificate – Introduction to IoT

- Ranked in the top 1% (Topper) with a score of 97/100. Gained strong foundational knowledge in IoT systems, sensor integration, and communication protocols, which laid the groundwork for advanced technical expertise.

TECHNICAL SKILLS

- Core Python: Data types, loops, conditionals, functions, OOP (classes, inheritance)
- Web Development (Backend)
- Flask framework
- RESTful API design
- HTML/CSS basics (frontend integration)
- Deployment in GitHub Pages
- AWS basics
- Machine Learning & Data Science
- Libraries: scikit-learn, pandas, numpy, matplotlib
- ML models: logistic regression, decision trees, etc.

SOFT SKILLS

- Analytical Thinking – Breaks down complex problems
- Communication Skills – Clear, concise, impactful delivery
- Team Leadership – Guides teams toward goals
- Collaboration – Works well with others
- Time Management – Meets deadlines efficiently
- Problem-Solving – Finds practical, creative solutions
- Adaptability – Thrives in changing situations
- Decision-Making – Chooses data-driven outcomes
- Presentation Skills – Delivers ideas effectively
- Attention to Detail – Catches errors, ensures accuracy