

ANKIT KUMAR

Gaya, Bihar

+91-6202015135 22ec3011@rgipt.ac.in LinkedIn

EDUCATION

Rajiv Gandhi Institute of Petroleum Technology 2022 – 2026
B.Tech in Electronics Engineering - CGPA - 8.42(till 4th Sem) Amethi, Uttar Pradesh

Vidya Jyoti School 2021 – 2022
Senior Secondary - CBSE - Percentage - 85.6% Nalanda, Bihar

Vidya Jyoti School 2019 – 2020
Matriculation - CBSE - Percentage - 92.2% Nalanda, Bihar

COURSEWORK

- Analog Electronics
- Digital Circuits
- Electronics Devices
- Network Theory
- Digital Signal Processing
- Signals and System
- Control Systems
- Probability and Statistics
- Real and Complex Analysis
- Communication systems
- Data Structures and Algorithms
- Database Management System (DBMS)
- Artificial Intelligence (AI)
- Machine Learning(ML)
- Computer Organization and Architecture

PROJECTS

MIXED SIGNAL IC | Cadence Virtuoso, HSPICE and SpectreRF, MATLAB/Simulink 02 2024

- Developed and optimized mixed-signal integrated circuits (ICs) for 5G communication systems.
- Implemented dynamic voltage and frequency scaling (DVFS) and adaptive voltage scaling (AVS).
- Conducted thorough verification and validation of mixed-signal ICs .

Smart Plant Watering System | Sensors, Microcontroller Present

- Developed an automated plant watering system using microcontrollers such as Arduino Uno and ESP8266/ESP32
- Implemented IoT capabilities for remote monitoring and control of the watering system

SKILLS

Languages: C, C++, Python, MATLAB, Verilog , SQL

Developer Tools: windows, Arduino

Technical skills: RTL design, Analog circuit design, signal processing, , Autocad, AI , ML

Soft Skills: Work ethic, Time Management, Problem solving, Event Management

POSITIONS OF RESPONSIBILITY

RGIPT 09 2024 – Present
Classical Physics Tutor Amethi, U.P

IEEE, RGIPT 03 2023 – 10 2023
Technical Executive Amethi, U.P

Gyanarpan Project, Amethi 08 2023 – 03 2024
Teaching Volunteer Amethi, U.P

ACHIEVEMENTS

- Awarded RGIPT Merit-Cum-Means Scholarship, for the Top 10%* students in ECE batch
- Qualified JEE Advanced 2022 (In top 3 percent among one million candidates appeared in Jee Advance 2022)