Aaditya Panda

+91 9871722747 - aadityapanda23@gmail.com - linkedin.com/in/aadityapanda - github.com/AadityaPanda

EDUCATION

Raj Kumar Goel Institute of Technology — **Ghaziabad, Uttar Pradesh, India**
Computer Science and Engineering (Internet of Things) — *Mar'20 - Aug'24*

Seth Anandram Jaipuria School — **Ghaziabad, Uttar Pradesh, India**
Intermediate in Science (PCM) — *Apr'19 - Jan'20*

TECHNICAL SKILLS

Programming Languages: C/C++, Python, Embedded C
Libraries and Tools: Python, Arduino, Cisco Packet Tracer, OpenCV, Git
Coursework: Internet of Things, Data Structures & Algorithms, Operating Systems, Database Management System, Software Engineering, Object-Oriented Programming

WORK EXPERIENCE

IoT Intern
Qmansys Infosolutions LLP, Uttar Pradesh, India — *Apr'23 - Jul'23*

- Successfully developed and deployed a Soil Quality Monitoring System with cloud integration.
- In-depth understanding of the use of IoT in real life, including Arduino, Raspberry Pi, and various sensors.
- Proficient in designing, deploying, and managing IoT projects with seamless cloud connectivity.
- Strong knowledge of architectural best practices, such as framework, security, performance and cost optimization.

Cisco Cybersecurity Virtual Intern
Cisco Networking Academy, Virtual — *Apr'23 - Jul'23*

- Gained foundational cybersecurity knowledge, including network security, encryption, and cybersecurity laws.
- Introduced to tactics and techniques used by Black Hats in cyber threats.
- Learned the principles of Confidentiality, Integrity, and Availability (CIA) used by White Hats to defend networks.

Juniper Networks Cloud Virtual Intern
AICTE Cohort-4, Virtual — *Dec'22 - Feb'23*

- Gained experience with Junos devices, software architecture, and CLI for setup and management.
- Configured and monitored devices, including interface setup, system configuration, and maintenance.
- Learned routing concepts, including policy and firewall filters for network security.

PROJECTS

- **IoT Tollbooth System Supervisor**, Developed an IoT-based toll tax collection system using Arduino Uno, ESP32, RFID, sensors, real-time Google Sheets database, and a mobile app for data access. GitHub
- **Health Monitoring System**, Developed an IoT-based patient health monitoring system using Arduino Uno, ESP8266, pulse oximeter, and ThingSpeak for real-time pulse rate and temperature monitoring. GitHub
- **Air Pollution Monitoring System**, Developed an air pollution monitoring system using Arduino Uno, MQ-135 sensor, LCD display, and LEDs to measure and display air quality in PPM. GitHub
- **Street Fighter**, Developed a two-player Street Fighter game in Python using Pygame with customizable controls and expandable characters and attacks. GitHub

ACHIEVEMENTS

- **Transforming Tollbooths: IoT-driven RFID Technology for Traffic Optimization** Research Paper
- **ROBOLINE 2.0:** 2nd place in Line Following Robot (LFR) competition. Link
- **PUSHPAK:** Top 10 finish in an intercollegiate Drone Competition with 50 participating teams. Link
- **Global Science for Global Wellbeing:** 2nd Place at National Science Day Presentation Competition.

EXTRACURRICULAR ACTIVITIES

- **Member** in IOTuino Club - May'23 - Jun'24
- **Head of Gaming Department** in CyberCrew event - Sept'19 - Oct'19