# Pichika Kushal

github linkedin kushal12082004@gmail.com leetcode codechef

## Education

**VNR Vignana Jyothi Institute of Engineering and Technology** Oct 2023 - Present
*BTech in Computer Science and Engineering* *CGPA - 8.18*
**Government Institute of Electronics** Jun 2020 - Oct 2023
*Diploma in Computer Science* *CGPA - 8.99*

## Skills

**Languages**: C/C++, Python, Java
**Full Stack Development**: HTML, CSS, Javascript, ReactJs, NodeJs, ExpressJs
**Tools**: Git/GitHub, Netbeans, VS Code, IntelliJ PyCharm/IDEA, Jupyter Notebook
**Database**: MySQL, PostgreSQL

## Experience

**Industrial Training** | ***NSIC*** December 2022 - May 2023

- Worked on SAM - The Library Management System in Python.
- This Library Management System allows book management, member registration, book issuing and returns, and database integration using MySQL for efficient data handling.
- Gained hands-on experience in Python, Pycharm IDE, Git, Github, MySQL

## Projects

**Urban - Hero** | *React.js, Node.js, Express.js, Firebase, Google Maps API* December 2024

- Urban Hero is a web application built with React to enhance urban safety through real-time incident reporting and community collaboration.
- It features an interactive map interface for visualizing reported incidents.
- Developed using React.js with backend support (Node.js/Express.js) for efficient data handling and API integrations.

**Power Track** | *C++, Wokwi, Blynk* January 2024

- Smart Electricity Management System – This project monitors and optimizes power consumption using an ESP32, helping to reduce energy waste and improve efficiency.
- Blynk Cloud Integration – Real-time energy usage data is sent to Blynk Cloud, allowing remote monitoring and control through the Blynk app.
- Wokwi Simulation – The project was designed and tested using Wokwi, a virtual simulator for embedded systems.

**Airline Reservation System** | *Java, Swing, JDBC, MySQL, Database, GitHub, Eclipse IDE* December 2023

- Implemented a user-friendly GUI (Swing, AWT) for efficient interaction.
- Optimized database queries for efficient search and reservation management.
- Ensured data integrity and security through proper **CRUD** operations (Create, Read, Update, Delete).

## Certifications

- Completed Full stack Web Development from Udemy
- Completed Java, Python Certification in NSIC.
- Completed Big Data Certification from Samsung Innovation Campus.
- Completed AI/ML for Geodata Analysis from ISRO.

## Achievements

- Won First Place in Map-An-App Hackathon in VNR VJIET.
- Engaged in the Finale of Innovasia Hackathon 2024, standing out among 180+ competing teams.