

Piyush Kumar

[in](#) Piyush Kumar | [✉](mailto:piyushcs8340@gmail.com) piyushcs8340@gmail.com | [📞](tel:8340446586) 8340446586

EDUCATION

2022 - 2026	B.Tech in Electronics and Communication Engineering, Birla Institute of Technology, Mesra, Off Campus Patna	(CGPA: 6.62)
2021	Class 12th, B.D. College Patna	(72.4%)
2019	Class 10th, DAV BSEB Patna	(78%)

EXPERIENCE

PeakStreak Pvt. Ltd. June 2025 – July 2025
Intern — Remote

- Built a functional platform and a lightweight CRM system to streamline business processes.
- Collaborated with team members to gather, analyze, and implement project specifications.
- Earned recognition for effective problem-solving, teamwork, and exceeding expectations.

GirlsScript Summer of Code May 2024 – July 2024
Contributor, Remote

- Optimized database queries, reducing processing time by 50% for over 1,000 active users.
- Enhanced project organization in Git, decreasing merge conflicts by 25%.
- Participated in code reviews, debugging, and testing to ensure high-quality software.

SKILLS

Programming Languages: Python, C++, C, JavaScript
Software Engineering: Data Structures and Algorithms, OOP, Problem Solving, System Design Basics
AI/ML: TensorFlow, PyTorch, OpenCV, Scikit-learn, YOLOv8, NumPy, Pandas
Web Development: HTML, CSS, JavaScript, Node.js, Express.js, React, MySQL
Tools & Platforms: Git, GitHub, VS Code, LeetCode, Windows Packaging, Streamlit

PROJECTS

Real-Time Human Detection and Counting System — YOLOv8, Electron, SQLite

- Implemented a live human detection system using **YOLOv8** on real-time video streams.
- Created a structured architecture separating detection logic, UI interaction, and data storage.
- Designed an intuitive **Electron**-based GUI with real-time alerts and **SQLite**-backed daily logs.

FitMind – Mental Wellness Tracker — React.js, Node.js, Express.js, MySQL

- Built a full-stack journaling app with sentiment analysis, mood tracking, and personalized wellness tips.
- Designed a responsive frontend with **React.js**, and developed RESTful APIs using **Node.js/Express.js**.
- Stored user data in **MySQL** and visualized mood trends using **Chart.js**.

Diabetes Prediction System — Python, Scikit-learn, Streamlit

- Built a machine learning model using **Scikit-learn** to predict diabetes based on health data.
- Designed an interactive web interface with **Streamlit** for real-time user input and predictions.
- Implemented preprocessing, model training, and accuracy evaluation using real-world datasets.

ACHIEVEMENTS

- **NTSE Stage 2 Qualified:** Demonstrated strong academic proficiency by clearing the second stage.
- **PRMO Qualified:** Showcased exceptional mathematical aptitude.
- **LeetCode:** Solved **250+ problems** on algorithms and data structures, sharpening problem-solving skills.