

PIYUSH TIWARI

📍 Jharkhand, India | 📞 +91 8271276201 | ✉ info.contactpiyush@gmail.com | 🔗 linkedin.com/in/codepiyusss | 🐙 github.com/codepiyusss

Summary

B.Tech Computer Science Engineering (AI/ML) student with hands-on experience in Python, machine learning, data structures, and web development. Built practical AI/ML projects, including an AI-powered voice-cloning detection system, with experience in model development, audio processing, and deployment. Strong interest in solving real-world problems through software and AI-driven solutions.

Projects

VoxShield -- AI Voice Deepfake Detector (Team Lead) | Python, Scikit-learn, Flask, React Sept. 2026

- Led a 6-member team in developing a **machine-learning system** to classify audio as **real or AI-generated or voice-cloned speech**.
- Performed audio feature extraction and feature engineering using **Librosa**, including MFCCs, Mel spectrograms, spectral features, pitch, zero-crossing rate, chroma, and RMS energy.
- Trained and compared **Random Forest Classifiers** and **Gradient Boosting classifiers** using extracted audio features and a **train/test split**.
- Integrated the audio prediction workflow into a Flask API and connected it to a React web interface for audio analysis.

ATS Check -- Resume Analyzer | Python, Flask, HTML, CSS, JS, July 2026

- Developed a **Python-based** resume analyzer that assesses ATS compatibility, formatting, readability, grammar, and keyword relevance.
- Implemented PDF text extraction using pdfplumber and rule-based scoring, with **optional Gemini-powered** analysis for additional resume feedback.
- Built a web interface that accepts PDF uploads or pasted resume text and returns structured analysis and improvement suggestions.

Technical Skills

Languages: Python, Java, C, JavaScript, HTML, CSS

Frameworks/Libraries: React, Node.js, Flask, scikit-learn, Librosa, NumPy, Pandas, Next.js, Tailwind CSS

Core CS: Data Structures & Algorithms, Object-Oriented Programming, DBMS, Operating Systems, Computer Networks

Tools/Platform: Git, GitHub, REST APIs, VS Code, PyCharm, GitHub Copilot, JSON, Vite, npm, pip

Certifications & Job Simulations

- Tata Group** - Data Analytics Job Simulation, Forage (Oct 2026)
- Data Visualisation** - Data Science Analytics Job Simulation, Forage (Jul 2026)
- Machine Learning** - Anaconda Inc. (Jul 2026)
- Data Science & Analytics** - HP LIFE (May 2026)
- Python** - Certification Exam, HackerRank (May 2026)

Achievements

- 200+** Github Followers, **65+** Github Repository Stars, **600+** Contribution and **900+** Commits
- 1200+** LinkedIn Connections, **7500+** Post Impressions, **500+** Posts Likes
- Campus Hackathon Runner-Up

Education

Ramchandra Chandravanshi University

Bachelor of Technology, Computer Science and Engineering (AI/ML) | **CGPA: 8.18**

Jharkhand, India

~ Sept 2024 - Sept 2028