Bijay Kumar Yadav

KIIT, Bhubaneswar, Patia | bijaykr047@gmail.com | +91 63671791118 | Bijay Yadav | GitHub

Professional Summary

Detail-oriented and highly motivated aspiring Data Analyst and Machine Learning practitioner with strong foundations in statistics, data preprocessing, and predictive modeling. Proficient in Python, SQL, Excel, and Power BI for transforming raw data into actionable insights. Hands-on experience building ML solutions and real-world IoT systems. Quick learner with strong analytical thinking and a collaborative mindset.

Education

Kalinga Institute of Industrial Technology (KIIT) *Exp. Graduation June 2027*
B.Tech – Computer Science & Engineering (Current) - CGPA: 8.01
Bhutan Devi Ma.Vi - Class XII (2023): 3.38/4
Bhutan Devi Ma.Vi - Class X (2021): 3.44/4

Technical Skills

Programming: Python, Java (OOPS)), C
Web Development: HTML, CSS, JavaScript
Data & ML: Sckit-learning, NumPy, Pandas, Matplotlib, Data Cleaning, Model Building
Data Analysis Microsoft Excell(Pivot Tables,VLOOKUP, Advance Formulas),SQL(Queries,Joints,Aggregations)
Visulaization: Excell,Power-BI(DAX, Data Modeling, Interactive Dashboard)
Systems & Tools: Pycharm,Pytorch,GitHub, Docker, Power BI, Excel, Arduino UNO, Figma
Software Development: SDLC, Unit Testing (Basics), Debugging & Troubleshooting
Computer Science Fundamentals: Data Structures & Algorithms, RDBMS (Normalization, Indexing, Constraints), Database Design
Soft Skills: Project Management, Team Collaboration, Critical Thinking, Communication, Problem Solving, Time Management

Projects

AI Face Forensic System (Deepfake & AI Image Detection)

- Built an industrial-level ML pipeline to classify real vs AI-generated images and detect deepfakes to raise awareness about online scams and misinformation.
- Designed a multi-stage model architecture to identify camera-captured images and detect synthetic media.
- Implemented data preprocessing, feature extraction, and model evaluation for real-world deployment scenarios.

Obstacle Detection System for Blind People (IoT + Embedded ML)

- Developed a wearable smart navigation device using ESP8266 and ultrasonic sensors to detect obstacles in real time.
- Designed an alert mechanism using buzzer/vibration feedback to improve mobility and independence for visually impaired users.
- Built a low-cost, portable solution addressing real-world accessibility challenges.

Certifications

Python for Data Science and Machine Learning – *Coursera*
SQL for Data Analysis – *HackerRank*
Git & GitHub Essentials – *Udemy*

Key Competencies