Ankit Mishra

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PROFILE

A Proactive Final-Year B.Tech CSE student and proficient in **Python, C++, SQL and Data Structure & Algorithms.** Skilled in **OOP, SDLC and hands-on** experience in **Software Development, Database, Machine Learning, and GenAI**. Passionate about coding, problem solving and developing effective software solutions. Seeking to contribute as a Software Development Engineer by applying strong technical skills.

SKILLS

LANGUAGES & TOOLS: Python | C++ | SQL | Power BI | Power Query | Excel | Jupyter Notebook.

DATABASES & LIBRARIES: MySQL | PostgreSQL | DBMS | Pandas | NumPy | Matplotlib | Seaborn | Scikit-learn.

MACHINE LEARNING: Supervised & Unsupervised Learning | Data Preprocessing | Model Evaluation | Ensemble Learning.

CORE CONCEPTS: Object-Oriented Programming | AI & ML | DSA | SDLC | Computer Networks | Software Testing.

OTHER SKILLS: Analytical Thinking | Data Interpretation | Problem Solving | Stakeholder Communication | Documentation

PROJECTS

TRAFFIC RULES VIOLATION DETECTION SYSTEM | DEVELOPER
Tech Stack: Python, Django, Deep Learning, Machine Learning, React, HTML, CSS, MySQL
- Built a web-based **dummy traffic violation detection system** with user and agent portals.
- Enabled video and image-based violation reporting, agent verification, and automatic challan generation.
- Implemented centralized database for users, violations, and challans.

HEALTH ASSISTANT | DEVELOPER
Tech Stack: Python, Pandas, CSV, Decision Tree, pyttsx3, scikit-learn, regex.
- Developed a Python based voice-enabled healthcare chatbot that collects symptoms and provides precaution.
- Implemented Decision Tree models with structured datasets and rule-based input handling.
- Integrated speech interaction using pyttsx3 and improved reliability through debugging and optimization.

BREAST CANCER DETECTION | DEVELOPER
Tech Stack: Python, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, StandardScaler, Cross-Validation, Pickle.
- Built a **machine learning model** to predict cancer cases (malignant vs benign) using the Breast Cancer dataset.
- Applied **data preprocessing and trained multiple classification algorithms** to compare prediction accuracy.
- Evaluated results and **saved the best model using Pickle** for future use.

PROFESSIONAL EXPERIENCE

DATA ANALYST INTERN
KESKIN TECH SERVICES PVT. LTD.
01/2025 – 06/2025
New Delhi, India
- Performed real-time **data analysis and reporting** tasks to support client work.
- Created actionable insights **using Python, Power BI and Excel dashboards and visuals.**
- Gained hands-on experience in client **requirement analysis, applying problem-solving and SDLC** practices to deliver solutions within deadlines.

EDUCATION

B. Tech in Computer Science and Engineering (CSE)　08/2023 – Present
Raj Kumar Goel Institute of Technology (AKTU)　Ghaziabad, India

Diploma in Mechanical Engineering　08/2019 – 06/2022
Adhunik Group of Institution (BTEUP)　Duhai, India

CERTIFICATIONS

- **Data Science in Python from NPTEL** 🔗 .
- **Co-authored an IEEE Research Paper on Traffic Rules Violation Detection System (TRVDS).** 🔗
- **Participated in PowerBi Hackathon (BI BLITZZ)** 🔗
- **Leetcode SQL Challenge-50** 🔗