

# VANSHIKA

Python Programmer | AI Enthusiast | Data Science Learner

+91 9729501878  
@VanshikanRana

ranavanshika191@gmail.com  
/ranavanshika2737

## EDUCATION

- Ambala College of Engineering and Applied Research, Mitahpur (Ambala) 2022-2026  
B.Tech. in Computer Science & Engineering
- Nand Lal Geeta Vidya Mandir, Tepla (Ambala) 2022  
XII (HBSE) 89.8%

## SKILLS

- **Programming:** Python
- **Libraries:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn
- **Tools:** Teachable Machine, LandBot, Streamlit, Jupyter
- **Core Competencies:** Exploratory Data Analysis (EDA), Supervised Machine Learning (Regression & Random Forest), Predictive Modeling, AI Concepts

## PROJECTS

- **CardioVision: Analytical Forecast for Heart Health** – *Python, Pandas, NumPy, Matplotlib, Scikit-learn*
  - Conducted EDA revealing middle-aged females as most at risk; identified blood pressure, moderate heart rate, and smoking as key correlated factors.
  - Built a logistic regression model predicting 10-year heart disease risk with ~85% accuracy.
- **B2B Lead Scoring System** – *Python, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, Streamlit*
  - Analyzed sector trends revealing Walmart as revenue leader & Apple/Nvidia as profit & market value leaders.
  - Developed a Random Forest Classifier (95%+ accuracy, ROC-AUC: 0.988) to recommend high-potential companies.
- **Diwali Sales Analysis** – *Python, Pandas, Matplotlib, Seaborn*
  - Examined festive sales data to uncover consumer purchase behavior and spending patterns.
  - Identified married women (26–35) from UP, Maharashtra & Karnataka in IT/Healthcare/Aviation as top buyers of Food, Clothing & Electronics.

## CERTIFICATIONS

- **Python 101 for Data Science** Cognitive Class (IBM Developer Skills Network)
- **Deloitte Australia Data Analytics Job Simulation** Forage
- **Introduction to Data Science** Infosys

## EXTRACURRICULAR ACTIVITIES

- Volunteered as a primary school tutor, fostering learning and developing communication skills.