Vanya Ahuja

vanyaahuja.1234@gmail.com | +91 8528899772 | | linkedin.com/in/vanyaahuja | github.com/vanyaahuja

About Me

BTech CSE student at VIT Bhopal with a passion for ML and technology-driven solutions. Strong in problem solving, collaboration, and building user-centric applications. Active exploration of machine learning through hands-on research and hackathons.

.
- **Technical Skills:** MySQL, Python, C++, HTML/CSS, Matplotlib, Machine Learning, Power Bi.
- **Soft Skills:** Time Management, Problem-solving, Adaptability, Leadership, Teamwork, Creativity, Communication.
- **Certifications:**
  i) Introduction to Machine Learning, NPTEL, April 2025
  ii) The Bits and Bytes of Computer Networking, Coursera, Nov 2024.
- **Awards/Activities:** Won 2nd Prize in an Ideathon for the idea of a Mars Rover collecting data about the surface of Mars using AI/ML.

Education

VIT Bhopal University, BTech in Computer Science   Sept 2023 – Present
- CGPA: 8.99/10.0

DPS Kalyanpur, Kanpur   April 2008 - May 2023
- Class 12 - 94%
- Class 10 - 97%

Projects

ML Research Collaboration   March 2025 - Ongoing
- Assisting in ML research under faculty guidance, developing a multi-output regression model in PyTorch.
- Implemented pre-processing (PCA, scaling), error analysis (MSE, R^2, RMSRE), and model optimization.
- Worked with JSON and CSV data formats for an efficient training pipeline.

Solar Energy Forecasting - ML Model   June 2025
- Developed a regression-based ML model to forecast solar output using weather data.
- Used Scikit-learn; focused on feature engineering and team-based model tuning.

Diabetes Prediction in Machine Learning   Jan 2024
- Description : Diagnose diabetes in users with previous data on glucose level, blood pressure, insulin, etc.
- Technology used: Python, Matplotlib, Streamlit, Scikit-Learn
- Link: https://github.com/vanyaahuja/Diabetes-Predictor

Extra Curriculars

- Led events with 200+ participants; managed logistics and engagement.
- Volunteer, Pahal Foundation, taught children and supported welfare initiatives.
- Active in hackathons, ideathons, and sports at the school/college level

Accomplishments

- NPTEL Elite+Silver (75/100) – Machine Learning (2025)
- Google Girl Hackathon – Round 2 Qualifier (2025)
- Wiz SpellBee Nationals – 7th Rank (2018).

Additional Information

Languages: English (Fluent), Hindi (Native)

Hobbies: Baking, Cricket, Reading Books, Watching Shows/Movies