

VANSHIKA

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 [LinkedIn](#) |  [GitHub](#)

PROFESSIONAL SUMMARY

Analytical and results-oriented **Data Analytics & AI/ML Engineer** with hands-on experience in **Machine Learning, Predictive Analytics, and Data Visualization**. Skilled in **Python, SQL, and advanced analytics tools** to extract insights and support data-driven decision-making. Proven ability to design, develop, and deploy **AI-powered solutions** that enhance business outcomes. Adept at **data preprocessing, statistical modeling, and dashboard development** with a focus on delivering measurable results.

CORE COMPETENCIES

- **Programming & Tools:** Python, Pandas, NumPy, Matplotlib, Scikit-learn, SQL, HTML, CSS, JavaScript
 - **Data & Analytics Skills:** Data Cleaning & Preprocessing, Statistical Analysis, Data Visualization, Trend Analysis, Dashboard Development
 - **Machine Learning Expertise:** Supervised & Unsupervised Learning, Predictive Modeling, Recommendation Systems, Model Evaluation
 - **Industry Knowledge:** Business Intelligence (BI), AI Solution Development, Process Optimization, Decision Support Systems
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PROFESSIONAL EXPERIENCE

Data Analytics Intern – Deloitte | 2025

- Preprocessed and analyzed **large-scale datasets** to identify key trends and patterns.
- Built **interactive dashboards** and conducted **trend analysis** to optimize client decision-making.
- Collaborated with cross-functional teams to deliver **data-driven insights** that improved reporting efficiency.

Machine Learning Intern – AICTE | 2025

- Developed and deployed **ML models** for predictive analytics using **Python, Pandas, and Scikit-learn**.

- Achieved **high accuracy rates** in classification and clustering tasks through model optimization.
- Conducted **feature engineering** and hyperparameter tuning to improve model performance.

AI/ML Trainee – NIELIT Haridwar | 2024

- Completed **hands-on AI/ML training** covering supervised, unsupervised, and deep learning approaches.
 - Applied **data preprocessing techniques** to real-world datasets, improving model readiness.
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KEY PROJECTS

IKGPTU Student Support Chatbot

- Designed an **LLM-powered chatbot** to assist university students via text/voice queries.
- Integrated **live support**, automated email notifications, and a dataset fallback mechanism.
- **Tech Stack:** Python, HTML, CSS, JavaScript, APIs.

Crop & Fertilizer Recommendation System

- Built a recommendation engine using **soil, climate, and nutrient data**.
 - Achieved **90%+ model accuracy** with **Random Forest** and **Naïve Bayes** algorithms.
 - Delivered actionable insights for **agricultural productivity optimization**.
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EDUCATION

B.Tech – Computer Science & Engineering | IKGPTU Main Campus (2022–2026)
Senior Secondary (12th, PCM) – 91.6%

ACHIEVEMENTS

- **Hackathon Consolation Prize** – GNA Hackathon (Problem-solving in AI solutions)
- **AICTE ML Internship Certification** – Applied ML techniques in live projects
- **NIELIT AI/ML Training Certification** – Comprehensive AI/ML technical training
- **YLTC Dalhousie Trip Recognition** – Selected for leadership & cultural exchange