# Devansi Mahatar

Email: devansimahatar@gmail.com | Linkedin | Github | Phone: (+91) 8249537214

## EDUCATION

**VIT Bhopal University** BTech (Computer Science and Engineering, Specialization in E-Commerce Technology)  CGPA: 8.83/10
**12th Standard** - DAV Public School, Pokhariput (June 2022)  CBSE Percentage: 82%
**10th Standard** - Blossoms School, Bhubaneshwar (April 2020)  CBSE Percentage: 97.2%

## WORK EXPERIENCE

**Data Science Intern | Sabudh Foundation (Link)**  Jan 2025 - June 2025
- Gained practical experience in NLP and recommender systems, including end-to-end workflows such as data preprocessing, feature engineering, and algorithm implementation.
- Developed an AI-powered platform that automated analysis for 100+ documents and video transcripts using LLMs, resulting in a 60% improvement in insight extraction speed.
- Integrated Retrieval Augmented Generation with Pinecone for semantic search and LangChain for multi-agent orchestration.
- Implemented a SQL agent for structured data analysis and built a scalable backend (Gemini, Ollama) with an interactive Streamlit frontend, enhancing user experience and ensuring system flexibility for diverse sources.

## PROJECTS

**1. Book Pilot (Link)**  Aug 2024 – Nov 2024
- Engineered a Flask-based web application featuring a hybrid recommendation engine that combines collaborative filtering and content-based filtering to deliver personalized book recommendations for 700+ titles.
- Used RESTful API for seamless frontend-backend integration, optimizing user experience.
- Utilized Python, Scikit-learn, and Pandas for model training and evaluation, resulting in a 20% increase in user satisfaction.

**2. Retail Demand AI (Link)**  July 2024 – Sep 2024
- Led a business case study on inventory optimization for a retail chain by analyzing sales data for 150 SKUs across 20 stores.
- Designed Power BI dashboard to visualize trends, enabling data-driven inventory planning and management decision-making.
- Built a time series forecasting system using Holt-Winters Exponential Smoothing and Linear Regression in Python.
- Achieved < 10% Mean Absolute Percentage Error (MAPE) by tuning hyperparameters and validating models with cross-validation.

## TECHNICAL SKILLS

**Languages:** C++, Python, SQL, HTML, CSS
**Frameworks:** Pandas, NumPy, Scikit-Learn, Matplotlib
**Tools:** Power BI, Microsoft Excel, Tableau, Git, Github
**Platforms:** PyCharm, Jupyter Notebook, Visual Studio Code

## ACHIEVEMENTS

- **National Semi-Finalist** in Flipkart GRiD 7.0 (Aug 2025)
- Participated in **InQuizzitive of BackWaters** 2025 IIM Kozhikode's Flagship Management Festival
- Winner of **Folk It Up: Folk Art Painting** held by IIT Ropar (Oct 2024)
- Advanced to the 3rd round of **Arthneeti 4.0** held by IIM Nagpur (Nov 2024)
- Achieved **SQL Basic** and **Intermediate** Skill Certificates from HackerRank

## EXTRACURRICULAR ACTIVITIES

**1. Meraki-The Fine Arts Club (Decor Team Lead)**  July 2024 – May 2025
- Directed decor team in organizing over 10+ events, applying color theory and themes to craft immersive environments.
- Fostered teamwork and creative problem-solving, ensuring seamless event execution and positive attendee experiences.

**2. E-Commerce Club (Design Team Co-Lead)**  Dec 2023-May 2025
- Spearheaded creative initiatives, designing 8+ event posters to boost club engagement and online profile.
- Organized workshops, hackathons and pitch events, demonstrating leadership, teamwork, and effective communication.

## CERTIFICATIONS & LANGUAGES

**1. Tata Group Data Analytics Job Simulation (Forage)**
Leveraged GenAI tools for EDA to identify risk indicators and build predictive models for customer delinquency.

**2. Quantum Data Analytics Job Simulation (Forage)**
Developed benchmark store selection methodology for A/B testing store layouts to improve performance.

**3.** Database for Developers:Foundation **(Oracle)**

**4.** ML Practitioner Certificate **(Dataiku)**

**5.** Career Essentials in Business Analysis **(Microsoft and LinkedIn)**

**6.** Statistics Foundation Professional Certification **(Wolfram Research)**

**7.** Global Marketing Management **(NPTEL)**

**Languages:** Fluent in Hindi, English, Odia; Conversational Proficiency in Tamil