

# Devansi Mahatar

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## EDUCATION

**VIT Bhopal University** B.Tech (Computer Science and Engineering, Specialization in E-Commerce Technology) CGPA: 8.84/10  
**12<sup>th</sup> Standard** - DAV Public School, Pokhariput (June 2022) CBSE Percentage: 82%  
**10<sup>th</sup> Standard** - Blossoms School, Bhubaneswar (April 2020) CBSE Percentage: 97.2%

## WORK EXPERIENCE

**Data Science Intern | Sabudh Foundation (Link)** Remote, Jan 2025 - June 2025

- Built an AI-driven platform using LLMs and semantic search, automating document and transcript analysis, achieving 60% faster insight extraction compared to manual analysis workflows with AWS S3 for dataset storage and scalable data access.
- Integrated RAG pipelines with Pinecone and LangChain, enabling context-aware query handling across diverse datasets.
- Developed SQL agent and Streamlit interface for structured data exploration and real-time insight visualization.

## PROJECTS

**1. MindCare - AI Enabled Mental Health Platform** Aug 2025 - Present

- Leading an AI-driven multimodal sentiment model analyzing text, audio and video to improve emotional state accuracy.
- Designing recommendation engine, collaborative filtering and deep learning used to match users with suitable psychologists.
- Constructing real-time anonymous chat, GPT-4 powered conversational AI, and smart scheduling modules to streamline mental health support.

**2. Book Pilot - Personalized book Recommender (Link)** Aug 2024 - Nov 2024

- Built a hybrid recommendation engine using Scikit-learn, Pandas and NumPy, personalizing suggestions of 1000+ book titles.
- Integrated a price comparison module using BeautifulSoup, REST APIs and MySQL to fetch best deals from Amazon, Flipkart.
- Designed an interactive Streamlit dashboard with Matplotlib and Plotly to visualize user pattern, track wishlist activity and refine recommendations based on engagement trends.

**3. Retail Demand AI - Inventory Forecasting System (Link)** July 2024 - Sep 2024

- Analyzed 150 SKUs across 20 stores, performing trend and correlation analysis to uncover key demand drivers.
- Implemented forecasting models(Holt-Winters, Linear Regression) achieving 92% prediction accuracy for sales and inventory.
- Designed Power BI dashboards for decision-makers, improving inventory planning efficiency by 35% and minimizing stock imbalances.

## TECHNICAL SKILLS

Programming: Python, C++, SQL, HTML, CSS

Core CS: Data Structures & Algorithms, OOP, DBMS, Operating Systems, Computer Networks

Frameworks: Pandas, NumPy, Scikit Learn, Matplotlib, Seaborn, TensorFlow, LangChain

Tools: Power BI, Excel, MySQL, Tableau, Git, OAC, Streamlit

Platforms: Jupyter Notebook, VS Code, PyCharm

## ACHIEVEMENTS

- National Semi-Finalist, Flipkart GRiD 7.0 (Aug 2025)
- Winner, Folk It Up: Folk Art Painting by IIT Ropar (Oct 2024)
- 3rd round Qualifier, Arthneeti 4.0 by IIM Nagpur (Nov 2024)
- Completed, 2nd round (Technical interview), Google STEP internship (Feb 2024)

## CERTIFICATIONS & LANGUAGES

1. Quantum Data Analytics Job Simulation (Forage) - A/B testing & performance benchmarking

2. Oracle Analytics Cloud Professional Certificate

3. IBM Data Analyst Professional Certification (Ongoing)

4. Oracle Data Science Certification

5. Microsoft Career Essentials in Business Analysis professional

6. HackerRank SQL Basic and Intermediate skill certificates

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

## 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 ambient 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.