

# KRITI PORWAL

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## EDUCATION

- VIT Bhopal University, Bhopal** September 2022 - May 2026  
Bachelor of Technology in Computer Science | CGPA: 8.85
- Heritage International School, Kanpur** May 2022  
Higher Secondary Certificate (CBSE Board) | Percentage: 82.60%
- Shri Ram Public School, Kanpur** May 2020  
Secondary School Certificate (CBSE Board) | Percentage: 94.50%

## TECHNICAL SKILLS

**Languages:** Python, Java, SQL

**Data Science & Visualization:** Pandas, NumPy, Matplotlib, TensorFlow, Scikit-learn

**Web Development:** React.js, Tailwind CSS, JavaScript, HTML5, REST APIs

**Data & Analytics:** Excel, Google Sheets, Mixpanel (basic), Google Analytics

## EXPERIENCE

**AI Intern - TechSaksham (Microsoft & SAP Joint CSR)** 11 January 2025 – 28 February 2025

- Improved AI model performance through cleaning and preparing datasets utilized for educational content generation, assisting in the creation of the team's most accurate and reliable model.
- Engineered a robust AI pipeline utilizing Python and Stable Diffusion, resulting in processing speeds that improved data handling by 30%, enabling teams to finalize analysis tasks within tight deadlines.
- Collaborated with mentors to understand real-world problem statements and translate them into structured solutions.

## PROJECTS

**MindfulChat – Mental Health Chatbot** | [GitHub](#)

**Tech:** HuggingFaceTransformers, PyTorch, Flask, GoogleGemini API, Node.js, Express, MongoDB

July 2025

- Designed and deployed a full-stack chatbot using BERT sentiment analysis and Google Gemini AI, tested with over 300 user interactions to deliver empathetic, context-aware responses.
- Implemented crisis keyword detection with automated helpline suggestions, improving reliability during 50+ simulated high-risk conversations.
- Built a secure Node.js and MongoDB backend with JWT authentication and an admin panel to manage 100+ test users, chat histories, and sentiment tracking effectively.

**PhonePe Pulse – Data Visualization & Exploration** | [Github](#)

**Tech:** Python, Pandas, MySQL, Streamlit, Plotly

September 2025

- Processed and transformed more than 2,000 crore transactions from the PhonePe Pulse API into structured DataFrames and inserted them into MySQL for fast retrieval.
- Designed and deployed an interactive Streamlit dashboard with Plotly visualizations enabling analysis of 45% of India's UPI transactions across 35+ states and UTs by year, quarter, and transaction type.
- Upgraded the complete ETL workflow from JSON extraction to visualization, which improved data handling efficiency by 70% and enhanced real-time insight generation.

## CERTIFICATIONS

- Oracle Cloud Infrastructure 2025 Certified Data Science Professional**
- Google Data Analytics Professional Certificate(Coursera)** - gained proficiency in SQL, R, Tableau, and data visualization

## ACHIEVEMENTS

- Won First Place in Urja Shakti Write-up Competition (UG Category)** by developing 7 presentation slides and presenting to 3 senior panelists, earning Rs. 30,000 prize money
- National Semi-Finalist in Flipkart GRiD 7.0** by advancing to top 48 among 1.4+ lakh participants in India's flagship engineering campus challenge
- Was among the top 700 Students selected for the Ericsson Edge Academia Program

## EXTRACURRICULAR ACTIVITIES

**Core Member, Data Science Club**

- Leveraged machine learning techniques to analyze customer churn data, identifying key predictors and developing targeted strategies, and decreased churn rate by 15% within six months.

**Core Member, Software Development Club**

- Led cross-functional teams building innovative web applications, mentored 50+ junior developers, and architected scalable solutions, increasing project efficiency by 40%.