

# KRITI PORWAL

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## EDUCATION

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

## 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

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|---|---|
| <b>AI Intern - TechSaksham (Microsoft &amp; SAP Joint CSR)</b>  | <b>11 January 2025 – 28 February 2025</b> |
| • 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](#)

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|---|-----------|
| <b>Tech:</b> 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](#)

- |  |                |
|--|----------------|
| <b>Tech:</b> 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%.