KRITIKA KATHPAL

Graduate | Guru Gobind Singh Indraprastha University

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🎓 EDUCATION

> 2024	B.Tech , Computer Science and Engineering	Guru Gobind Singh Indraprastha University, Delhi	9.0/10
> 2020	Class XII	Himalaya Public School, Delhi	74.5%
> 2018	Class X	Himalaya Public School, Delhi	81.5%

💼 WORK EXPERIENCE

DATA ANALYST INTERN   AUGUST'24 - JANUARY'25
CITY SPACE INDIA

• Designed and maintained interactive Power BI dashboards, enabling real-time monitoring of key performance metrics for data-driven decision-making.
• Extracted, analyzed, and interpreted large datasets using SQL and Excel to identify key trends and business insights.
• Optimized data processes by writing efficient SQL queries for data extraction, transformation, and validation, ensuring accuracy and reliability.
•Collaborated with cross-functional teams to translate complex data into actionable insights, aligning analytical findings with business and UX goals.

UI/UX DESIGNER INTERN   MARCH'24 - JUNE'24
AI MINT LABS PVT LTD

• Proficient in Figma for wireframing, prototyping, and high-fidelity designs. Skilled in translating ideas into visually compelling layouts.
• Experienced in structuring content and conducting UX research for optimized user flow. Conducts UX research to gather insights that shape effective design solutions.
• Knowledgeable in crafting intuitive interfaces with a user-centered approach. Focused on enhancing overall user experience through thoughtful design principles.

☰ COMPETENCIES

- **Programming :** C++, Python
- **Web :** HTML, CSS, Javascript
- **Database :** MySQL, PostgreSQL, MongoDB
- **Libraries :** Pandas, Numpy, Matplotlib, StreamLit, SkLearn, Seaborn
- **Tools :** Microsoft Power BI, Microsoft Excel, Microsoft SQL Server
- **Designing :** Figma, Prototyping, Wireframing, User Flow, UX/UI
- **IDE :** Jupyter Notebook, VS Code, Pycharm
- **Familiar with :** Slack, Jira, Framer, GitHub

🖥 PROJECTS

SKILL-VERSE : AI-DRIVEN LMS USING COURSE GENERATOR :

• **Integrated Course Generation :** Engineered an AI-driven **Course Generator using NLP** for content analysis and tailored recommendations.
• **AI Chat Bot Integration :** Incorporated an **AI-Chatbot** to enhance user interaction and support within the **Learning Management System.**
• **Dual-Mode Learning Paths :** Enabled users to choose between **manually curated courses** and **AI-recommended learning paths.**
• **Security and Optimization :** Implemented robust security measures, including **authentication and authorization** protocols.

`Tailwind CSS` `Javascript` `API framework` `MongoDB` `React.js`

FLIPKART SENTIMENT ANALYSIS : DECODING CUSTOMER FEEDBACK

• **Objective :** Deployed cutting-edge **NLP** and **ML** techniques to unveil nuanced trends within Flipkart comments.
• **Methodological Brilliance :** Harnessed the power of **NLP** and **ML algorithms** to deliver pinpoint accuracy in sentiment classification.
• **Results:**Attained a formidable **high-accuracy** analysis, catalyzing data-driven enhancements for product refinement.
• **Innovative Impact :** Transformed raw data into actionable insights, elevating product quality through astute algorithmic integration.

`NLP` `Machine Learning` `Sentiment Analysis` `Python` `Data Pre-processing` `Jupyter Notebook`

ML BASED LOAN APPROVAL PREDICTION :

• **Loan Approval System :** Developed a data-driven lending decision and machine learning-based predictor for streamlined loan approval.
• **82.9% Accuracy :** Attained a notable accuracy rate, ensuring reliable and precise predictions which eventually reduces risks.
• **Data Analytics Expertise :** Utilized advanced techniques to extract insights from intricate datasets.
• **Algorithm Integration :** Combined diverse machine learning algorithms (Naive Bayes, Random Forest) for enhanced adaptability.

`Python` `Numpy` `Pandas` `Sklearn` `Matplotlib` `Seaborn` `Jupyter Notebook` `MySQL`

✔ CERTIFICATIONS

- Google Data Analytics Professional Certificate.
- Google UI/UX Design Professional Certificate

★ ACHIEVEMENTS

- Led college tech events and seminars, organized the national-level hackathon HACKTIVATE, drawing wide tech community participation.
- Organized a web development workshop for 200+ students and participated in tech seminars at IITs, enhancing skills and adaptability.
- Achieved a top position at DTU's competitive hackathon, demonstrating technical expertise and innovative problem-solving.