

Muskan Kumari

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EDUCATION

Thapar Institute of Engineering and Technology <i>B.E. in Computer Engineering</i>	Patiala, Punjab <i>Sep 2022 – June 2026</i>
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EXPERIENCE

Rivet Technologies Pvt. Ltd. (Atlanta, USA) <i>Software Engineer Intern</i> - One of 5 engineers on the founding team; partnered with product, design, and engineering stakeholders to translate business requirements into analytics dashboards and financial-operations features for a fintech platform. - Analyzed transaction and workflow data across treasury and account-management modules to inform dashboard design and support data-driven decisions for internal stakeholders. - Owned end-to-end delivery of features from requirements through production in an Agile process, coordinating across product and design teams.	Jan 2026 – June 2026 <i>Bangalore, India</i>
Rivet Technologies Pvt. Ltd. (Atlanta, USA) <i>Software Engineer Intern</i> - Built 20+ UI components for banking, payments, and treasury workflows, collaborating with backend and design teams in agile sprints to ship MVP features on schedule. - Contributed to requirement discussions across cross-functional teams to align features with business and user needs.	June 2025 – July 2025 <i>Gurugram, India</i>
Lernx <i>HR & Process Intern</i> - Redesigned recruitment process workflows, reducing onboarding time by 20% and improving documentation accuracy. - Streamlined communication across 5+ departments, aligning teams and accelerating execution through structured feedback loops.	Jun 2023 – Aug 2023 <i>Hanumangarh, Rajasthan (Remote)</i>

PROJECTS

ArtFinder: Market Intelligence Platform <i>LangChain, Python, OpenAI, FAISS, Streamlit</i> - Built a competitor-research tool using OpenAI embeddings and FAISS retrieval, cutting manual research time by 80% and generating market-strategy outputs in under 3 seconds. - Cleaned and structured a 43K-row e-commerce dataset into 17K high-quality vectors, improving analysis accuracy and reducing unreliable outputs by over 90%.	
Smash-X: Badminton Performance Analytics System <i>PyTorch, OpenCV, YOLOv5, MediaPipe, PostgreSQL</i> - Built real-time performance dashboards translating shuttle-tracking and posture-analysis data into structured insights, enabling 20% faster decision-making and more consistent outcomes. - Delivered computer-vision-based tracking with sub-0.5% error in shuttle detection and 95%+ accuracy in posture evaluation, supporting reliable, data-backed reporting.	
RideHive: Carpooling Platform <i>Next.js, Node.js, MongoDB, WebSockets</i> Deployed a full-stack ride-sharing platform for 500+ students, designing a cost-splitting model that cut commute costs by 30% and reduced billing errors by 25%.	

BUSINESS & ANALYTICAL SKILLS

Data Analysis & Statistics: Data Analysis, Exploratory Data Analysis (EDA), Data Cleaning & Preprocessing, Statistical Analysis, Statistical Modeling, Hypothesis Testing, A/B Testing, KPI Tracking, Forecasting
Business Intelligence & Visualization: Advanced Excel, Power BI, Tableau, Looker Studio, Dashboarding, Data Visualization
Business & Product: Product Analytics, Product Strategy, User Research, Market & Competitive Research, Requirements Gathering, Stakeholder Management, Agile, Scrum
Collaboration Tools: Jira, Confluence, ClickUp, Notion, Slack, Figma, Microsoft PowerPoint

TECHNICAL SKILLS

Programming: Python, SQL, JavaScript, C/C++
Data Science: Pandas, NumPy, scikit-learn, Matplotlib, Seaborn
SQL: Joins, CTEs, Window Functions, Aggregations
AI/ML: TensorFlow, PyTorch, NLP, Generative AI
Databases: MySQL, PostgreSQL, MongoDB
Tools: Git, Docker, Postman, Jupyter Notebook, Google Colab

LEADERSHIP & ACHIEVEMENTS

Student Placement Representative , TIET Placement Cell Streamlined shortlisting and interview logistics for 30+ recruiters and 1000+ s	
Content Head , GirlUP (UN Foundation initiative) Directed content strategy and outreach, scaling digital engagement by 95%Dec 2022 – J	
Level SuperMind Hackathon <i>Finalist, Generative AI Track</i>	Jan 2025
SatHack Hackathon (NVIDIA) <i>1st Place, Edge AI Track</i>	Nov 2024