

KHUSHI BAGARIA

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Professional Summary

Aspiring technologist pursuing B.Tech in Computer Science and Business Systems, passionate about blending UI/UX design, data analytics, and human-centered computing to develop impactful digital experiences.

Education

MPSTME, NMIMS University B. Tech in Computer Science and Business Systems CGPA: 3.88/4.0	2022 - 2026
Prakash College of Commerce and Science HSC: 76.33	2020 - 2022
Marble Arch School ICSE: 97.33	2020

Projects

Minto – Personal Finance Tracker LINK	2025
Designed and developed a full-stack web application budgeting web app to help users track expenses, visualize spending patterns, and optimize financial planning. Created dynamic dashboards using Chart.js and ensured 95% UI responsiveness across screen sizes. <i>Tech Stack: HTML, CSS, JavaScript, JQuery, Bootstrap, Chart.js</i>	
ASL in Real Time: A YOLOv5-Based Recognition System LINK	2025
Engineered a real-time sign language translation tool using computer vision and deep learning, improving communication access for the hearing-impaired. Achieved over 90% gesture recognition accuracy on ASL datasets via YOLOv5 and OpenCV integration. <i>Tech Stack: Python, OpenCV, Roboflow, YOLOv5</i>	
Inventory Management & Demand Forecasting LINK	2024
Built a machine learning model to optimize inventory management for a multi-city meal delivery service. Analyzed 145 weeks of sales data, minimizing overstocking and stockouts. Used XGBoost, Random Forest, LightGBM, and LSTM. <i>Tech Stack: Python, Pandas, scikit-learn, TensorFlow</i>	
EasyPark – Smart Parking Solution LINK	2024
Created a high-fidelity Figma prototype addressing urban parking challenges using design thinking. Conducted user interviews, performed cost analysis, and wireframed intuitive user flows. Presented the solution at Designathon 2024. <i>Tools: Figma, Canva, Notion, Trello, Google Sheets</i>	
Brand Campaign – Lakshyam Ekyam LINK	2023
Led a 10-member team in launching a fictional NGO campaign for stray animal welfare. Crafted a compelling brand identity and built a strong digital presence through strategic content and creative direction. Drove engagement via targeted social media campaigns and impactful visual storytelling. <i>Tools: Canva, Adobe Photoshop, Adobe Illustrator, Instagram Insights, Google Forms</i>	

Certifications & Publications

Mathematical Models in Population Ecology: Insights and Applications LINK	April 2025
<i>Ecology, Environment and Conservation Journal — April 2025 ISSN 0971-765X</i> Co-authored a review article exploring Logistic Growth, Lotka-Volterra Models, and the impact of climate change on species migration. Provided actionable insights into ecological modelling and population forecasting.	

Core Skills

Technical Skills

Python, C, C++, Java, HTML, CSS, JavaScript, AngularJS, Node.js, MySQL, Flask, Bootstrap, Chart.js, Figma, Canva, JSON, Wireframing, Prototyping, Responsive Design, UI/UX Principles, Pandas, NumPy, Scikit-learn, Google Colab, GitHub, SQL, DBMS, Operating Systems, Object-Oriented Programming (OOP), Software Engineering, UML, Data Structures and Algorithms, Computer Networks, Business Analytics, Adobe Photoshop, Adobe Illustrator

Soft Skills

Design Thinking, Analytical Thinking, Critical Thinking, Strategic Problem Solving, Effective Communication, Leadership and Team Management, Interpersonal Collaboration, Time and Task Prioritization, Creativity and Innovation, Adaptability in Dynamic Environments, User-Centric Mindset, Presentation Skills, Emotional Intelligence, Attention to Detail, Persuasive Communication, Continuous Learning

Achievements and Positions of Responsibility

- Executive for Digital Creatives, IETE-SF MPSTME
- Social Media Marketing Volunteer – Stray Happy Animal Foundation (Jun 2023 to Jul 2023)
- Awarded as the All Rounder Executive in Creatives, NMIMS for Sattva 2023