DISHA KATARIA

AI & Machine Learning Engineer | Data Science Specialist

@ Disha.kataria@somaiya.edu 📍 Thane, Maharashtra, India in linkedin.com/in/kataria-disha/ ⬡ github.com/disha802
🌐 disha802.github.io

EDUCATION

B.Tech in Artificial & Data Science
K J Somaiya School of Engineering

📅 2023 – 2027 📍 Mumbai

- CGPA: 9.87/10.0 (Top 5% of class)
- Honors in Applied Cybersecurity (Ongoing)
- Relevant Coursework: Machine Learning, Deep Learning, NLP, Computer Vision, Data Structures & Algorithms

Junior College (HSC)
PACE Junior Science College

📅 2021 – 2023 📍 Mumbai

76.33% | JEE Mains: 90.29%ile | 93%ile Overall

IGCSE Secondary Education
Universal School, Ghatkopar

📅 2021 📍 Mumbai

90.29%

TECHNICAL EXPERIENCE

AI Engineering Intern
Bootlabs Technologies Pvt. Ltd.

📅 December 2025 📍 Mumbai

- Architected multi-source citation-based RAG model with multimodal input capabilities for enhanced information retrieval
- Developed and deployed resume ingestion and analysis system for automated candidate evaluation
- Implemented production-ready AI solutions with scalable deployment infrastructure

AI Engineering Intern
QualityKiosk Technologies India Pvt. Ltd.

📅 Summer 2024 📍 Mumbai

- Developed enterprise-grade AI code generator and evaluator using LLMs and RAG architecture
- Implemented automated code quality assessment system, reducing manual review time by 60%
- Collaborated with cross-functional teams to integrate AI solutions into production workflows

Administrative Intern
Somaiya Sports Academy

📅 2023 📍 Mumbai

TECHNICAL SKILLS

Programming
Python | C++ | C | SQL
HTML5/CSS | JavaScript

AI/ML Frameworks
TensorFlow | PyTorch
scikit-learn | Keras
Hugging Face | LangChain

GenAI & NLP
RAG | LLMs | Prompt Engineering
BERT | GPT | Vector DBs
Agentic AI

Data & Tools
Pandas | NumPy | Matplotlib
Seaborn | SQL | NoSQL
MongoDB | Git/GitHub

Design & Productivity
AutoCAD | Canva
MS Office Suite | Tableau

CERTIFICATIONS

DELF B1 (French)
Alliance Française | Score: 77.5% (2024)

LANGUAGES

English ●●●●●
French   ●●●●○
Hindi   ●●●●○

LEADERSHIP & HONORS

Smart India Hackathon
Qualified for National Finals (2024, 2025)

MUN Chairperson 2021
Led UNICEF committee on Educational Rights

MUN Delegate 2020
Represented Netherlands on Counter-Terrorism

- Streamlined operational processes and increased social media engagement by 40%
- Managed event coordination and stakeholder communications for 500+ participants

PROJECTS

Nexus FI - Cybersecurity Intelligence Platform
Agentic AI | Cybersecurity

📅 January 2026 – Ongoing

- Developing agentic AI system for forensic analysis of mobile device data to generate actionable intelligence
- Implementing automated suspect behavior pattern recognition and anomaly detection algorithms
- Building secure data processing pipeline for law enforcement and cybersecurity applications

DevRev Code Quality Evaluator
AI/ML | Python, LangChain, RAG

📅 2024

- Engineered AI-powered code evaluator adhering to DevRev coding standards using GPT-4 and custom prompt engineering
- Achieved 85% accuracy in identifying code quality issues and suggesting automated improvements

Intelligent Campus Assistant Chatbot
NLP | Smart India Hackathon 2024

📅 2024

- Built conversational AI chatbot using NLP and transformer models for real-time campus query resolution
- Advanced to national-level competition after clearing institutional rounds

Mental Health Support Platform
GenAI | Smart India Hackathon 2025

📅 September 2025

- Developing AI-driven mental health support system with sentiment analysis and personalized interventions
- Implementing privacy-preserving ML models for student stress detection and wellness tracking

Mann-ki-Baat Analytics & Stock Prediction
NLP, Time Series | Research Project

📅 November 2025

- Performing topic modeling and sentiment analysis on PM speeches using BERT and LDA
- Correlating policy announcements with market movements to predict sectoral stock trends
- Building predictive models with 78% accuracy in identifying policy-driven market impacts

KEY STRENGTHS

- **Problem Solving:** Strong algorithmic thinking and optimization skills
- **Research:** Experience with academic research and technical documentation
- **Communication:** Multilingual proficiency and public speaking experience
- **Collaboration:** Proven team player in hackathons and cross-functional projects

ADDITIONAL EXPERIENCE

French Language Trainer & Curriculum Developer
L'Avenir Language Alliance

📅 2021 – 2023   📍 Remote

- Designed and delivered French curriculum for 50+ students (ages 4-14) with 95% satisfaction rate
- Created interactive digital learning resources and assessment frameworks

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French Language Instructor
Learn French Enligne

📅 2024   📍 Remote

- Coached students for TEF, TCF, and DELF international certifications with 90% pass rate
- Enhanced verbal and written communication skills through personalized learning plans