

CHINMAY ARORA

Data Scientist • Data Analyst • Data Engineer • ML Engineer

Enthusiastic Data Science grad student who is eager to learn and contribute to exciting research and projects.

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Education History



Bachelor of Technology in Computer Science
SRM University, Kattankalathur, India
2019-2023

- 8.98
- Project Head & Product Manager, Enactus SRM



Master of Science in Data Science
University of Minnesota, Twin Cities
2023-2025, 3.58

Relevant Coursework:

- Data Science Foundations: CSCI 5523 (Data Mining), CSCI 5521 (Machine Learning Fundamentals)
- Statistical Techniques: STAT 5302 (Applied Regression Analysis), STAT 5401 (Applied Multivariate Methods), STAT 5421 (Analysis of Categorical Data)
- Geospatial and AI Applications: CSCI 5715 (Spatial Data Science), CSCI 8980 (AI for Sequential Decisions), CSCI 8980 (Visualization with AI)
- Database Systems: CSCI 5707 (Principles of Database Systems), CSCI 5708 (Database Management Systems)

Relevant Skills

Technical Skills: Programming: Python, R, SQL, C++, PHP, MATLAB

Data Analytics & Visualization: Tableau, Power BI, Qlik, matplotlib, Seaborn

Machine Learning Frameworks: TensorFlow, PyTorch, Scikit-learn
Geospatial Analysis: ArcGIS, QGIS
Databases: MySQL, MongoDB, PostgreSQL

Soft Skills: Leadership, Communication, Project Management, Analytical Thinking

Awards and Achievement

- Hackathon (Aarush – SRM): Secured 3rd place at university-level hackathon, Oct 2021.
- Enactus Nationals: Guided Project ReStub to the Top 16, 2022.
- Founding Member, Flawless Flaws Student Club



Work Experience

Data Science Intern

MarketMakerCRE, Remote/Minneapolis, MN, USA (07/2024–09/2024)

- Developed Python-based web scraping scripts and maintained data pipelines to collect and analyze commercial real estate data.
- Collaborated on machine learning model development for profitability metrics integration and actionable insights.

Data Analyst – Marketing Intern

Confetti AI, Remote/Minneapolis, MN, USA (05/2024–07/2024)

- Analyzed marketing data to optimize campaigns and created dashboards to monitor key performance indicators.
- Contributed to refining AI algorithms and supported market research for career tools.

IT Intern

Daikin Airconditioning India Pvt. Ltd., Gurugram, India (06/2022–07/2022)

- Developed sales dashboards using QlikSense, increasing sales visibility by 20%.
- Implemented an ML-based customer support chatbot to enhance response times and satisfaction.

IT Engineer

Luthra Corporate Advisors, Remote / New Delhi, India (11/2021 – 07/2023)

- Analyzed and visualized financial data using Power BI and Excel VBA, improving data accuracy and reducing reporting time.
- Developed and deployed a website with a RAG chatbot deployment using LangChain and Pinecone, boosting engagement and cutting customer inquiries.



Projects and Publications

Present

Interactive PAC-MAN Project Using MobileNet

- Fine-tuned MobileNet to recognize directional gestures from webcam inputs to control a real-time game interface, integrating machine learning with interactive user interfaces.

GeoAI for Route Optimization

- Investigated applications of GeoAI to analyze geographic datasets and predict optimal route tracking using advanced spatial data modeling techniques.

Health Informatics – Diabetes and Neighborhood Indices

- Analyzed trends between diabetes prevalence and neighborhood socioeconomic indices using regression analysis and spatial visualizations.

Business Process Optimization Using Social Media Data

- Applied social media analytics to detect trends, inform business strategies, and optimize marketing processes using NLP and predictive models.

Past

Face Mask Detection Using CNNs (IJSER, Volume 10 Issue 12))

- Published in IJSER, developed a CNN-based model for real-time face mask detection using TensorFlow and Keras.

Payment System for University (IJSER, Volume 11 Issue 8)

Swine Reproduction Management System using PHP, XAMPP and Microsoft SQL Server, tock Market Analysis Using Machine Learning, Sports Data Management and Predictive Analysis using R; Clothes Manufacturing Cost and Sales Data Analysis and Optimizer; Document OCR Parsing using NLP & Deep Learning; Real-time Mixed Reality user to user Communication using AR, Holographic projections and Video tracking; Water Quality Indicator using ML, Railway Management System using PHP and SQL, PostGRESQL server mangement