

RISHAV CHAKRAVARTY

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Education

University of Massachusetts Amherst

Masters of Science in Data Analytics & Computational Social Science (DACSS)

Sep. 2025 – May 2027 (Expected)

Amherst, MA

The University of Texas at Austin

Postgraduate Diploma in Data Science & Business Analytics

Jan. 2024 – Aug. 2024

Austin, TX

Virginia Tech

Bachelor of Science in Psychology

Aug. 2021 – May 2024

Blacksburg, VA

Relevant Coursework

- Applied Statistics
- Exploratory Data Analysis
- Data Visualization
- Regression & Predictive Modeling
- Machine Learning
- Time Series Forecasting
- SQL & Database Management
- Python for Data Science
- Model Tuning & Validation

Experience

Steve Fisher Consulting

Digital Strategy & Tech Consultant

May 2025 – August 2025

Menifee, CA

- Engineered firm's website, driving a 37% increase in new client inquiries across national and international markets.
- Automated workflows and streamlined infrastructure, reducing administrative workload by 43%.

Simple Coaching Inc.

Technical Consultant

Mar 2025 – May 2025

Remote

- Designed and optimized service pages, event galleries, and testimonial platforms, increasing revenue by 40%.
- Deployed and monitored analytics dashboards, providing insights that boosted engagement by 48%.

Google Developer Student Club

Featured Speaker – AI for Mental Health

Aug 2023 – Nov 2023

Remote

- Presented machine learning applications for personalized mental health interventions to 150+ participants.
- Created executive-ready dashboards in Power BI, synthesizing workforce analytics to guide decision-making.

Zad Holding Company Q.P.S.C.

Data Analytics Intern

Mar 2021 – Aug 2021

Doha, Qatar · Hybrid

- Built datasets and automated reporting dashboards in Power BI, reducing manual workloads by 35%.
- Designed a customer usage-based data plan using statistical inference, improving customer targeting and usage by 40%.

Projects

Face Recognition Software | Python, TensorFlow, Computer Vision

Independent

- Engineered and programmed a deep learning system for real-time/static face detection, achieving 93% accuracy after hyperparameter tuning, optimized inference time by 25% using TensorFlow GPU acceleration.

Dynamic Pricing Model for ReCell | Python, Linear Regression, EDA

UT Austin

- Developed a regression-based pricing model on 20k+ refurbished device sales, identifying key drivers of resale value.

Visa Approval Prediction | Ensemble Modeling, EDA

UT Austin

- Designed classification models using Random Forest, Gradient Boosting, Logistic Regression on 10k+ applicant records, reaching 87% prediction accuracy.

Stock Data Clustering | Unsupervised Learning, k-means, Hierarchical Clustering

UT Austin

- Analyzed stock market time-series data from S&P 500 equities using k-means and hierarchical clustering. Identified distinct investment patterns enabling portfolio diversification insights for investment strategy.

Technical Skills

Languages: Python, R, Java, JavaScript, MATLAB, SQL, Bash

Developer Tools: VS Code, Eclipse, Google Cloud Platform, Power BI, MongoDB, Microsoft SQL Server, GitHub

Technologies/Frameworks: Pandas, NumPy, Matplotlib, React.js, Node.js, Docker, JUnit

Honor/ Awards

The Action Taker Award: Recognized by LISC Massachusetts & the IXL Center for leading and executing impactful digital upgrades during the LISC Digital Growth Accelerator; empowered systems, and client engagement improvements.

KickStart VT Seed Grant Winner - CalendAI: Founded and developed an AI-powered calendar app for intelligent scheduling; promoted its innovation, engaged with entrepreneurial networks, and established a foundation for scaling.