

# Aditi Agrawal

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[GitHub](#)



[LinkedIn](#)



[Portfolio](#)

## EDUCATION

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### Master's in Computer Science

*University of California, Davis, USA | CGPA: 3.9/4.0*

Sept 2024 - March 2026

### Bachelor of Technology in Computer Science and Engineering

*MIT-WPU, Pune, India | CGPA: 9.21/10.0*

Sept 2020 - June 2024

### BS in Data Science and its Application

*IIT-Madras, Madras, India | CGPA: 8.08/10.0 | Project CGPA: 9.25/10.0*

Sept 2021 - Dec 2024

## PROFESSIONAL EXPERIENCE

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### Research Assistant | Speech Neuroengineering and Cybernetics Lab

April 2025 – Present

- Collaborated with Meta's Ethical Neurotechnology program to develop durable and equitable machine learning models for wrist EMG gesture decoding on a demographically diverse dataset.
- Performed data analysis and feature extraction of surface EMG signals to investigate the impact of age, BMI, and physiological conditions on model performance and algorithm fairness.

### Data Analytics Intern | fAIshion Inc., USA

June 2025 – July 2025

- Built an AI-powered recommendation system using OpenAI's CLIP to analyze product images and text, automating data extraction and cleaning from APIs.
- Designed a collaborative filtering (co-occurrence matrix) model using try-on history, and developed dashboards for trend and performance analysis with product and data teams

### Graduate Teaching Assistant | UC-Davis - Graduate School of Management

Jan 2025 – June 2025

- **Applications Domains :** Assisted with exploring high-impact analytics applications across domains such as social network analytics, healthcare analytics, IoT, supply chain analytics, and marketing analytics. Supported students in understanding advanced analytics concepts and real-world applications.
- **Technology Management:** Facilitated weekly discussion sessions for 150+ students to provide insights into managing firms in high-tech industries. Improved course efficiency by 20% through data analysis of student performance trends.

### Intern Developer | Globeminds Pvt Ltd, Pune, India

Jan 2023 – Dec 2023

- Increased operational efficiency by 30% through data analysis and process optimization. Gathered and translated user requirements into technical specifications, resulting in a 25% reduction in development time.

- Collaborated with design and engineering teams to deliver user-centric solutions, improving user retention by 20%.

## ACADEMIC PROJECTS

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### Business Data Management

- Collected and cleaned business data to optimize inventory and capital investment strategies.
- Analyzed data to identify cost-saving opportunities and operational improvements.
- Delivered recommendations adopted by stakeholders, reducing costs by 20% and improving efficiency by 15%.

## RESEARCH PAPER/PUBLICATIONS

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### Food Waste Management with Community Collaboration | DOI

May 2023

- Developed with MySQL, Apache; Frontend: HTML, JavaScript | International Journal of Research and Analytical Reviews (IJRAR). Published research on scalable, community-driven food waste solutions.

## SKILLS

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### Programming & Web Development: Python, SQL, JavaScript, HTML, CSS, Flask, SQLite

### Business Intelligence & Analytics Tools: MS Office, Git/GitHub, Jira, Tableau, Power BI, Google Analytics, Metabase, Pandas, scikit-learn, NumPy, Seaborn, Matplotlib, PyTorch, TensorFlow

### Data Science & Machine Learning: Pandas, NumPy, Scikit-learn, Seaborn, Matplotlib, PyTorch, TensorFlow

### Product & Business Concepts: User Research, Product Strategy, Roadmapping, User Stories, Competitive Analysis, Product Analytics, Data Visualization, A/B Testing

### DevOps & Project Tools: Git, GitHub, Docker, Kubernetes, Jira, MS Office

## PROFESSIONAL DEVELOPMENT AND LEADERSHIP

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### McKinsey Forward Program | McKinsey & Company [Certificate](#)

July 2025

### Data Science for Business | Harvard Business School [Online Certificate](#)

July 2025