

# Aditi Agrawal

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## EDUCATION

<b>Master's in Computer Science</b> <i>University of California, Davis, USA</i>   CGPA: 3.9/4.0	Sept 2024 - March 2026
<b>Bachelor of Technology in Computer Science and Engineering</b> <i>MIT-WPU, Pune, India</i>   CGPA: 9.21/10.0	Sept 2020 - June 2024
<b>BS in Data Science and its Application</b> <i>IIT-Madras, Madras, India</i>   CGPA: 8.08/10.0   Project CGPA: 9.25/10.0	Sept 2021 - Dec 2024

## PROFESSIONAL EXPERIENCE

<b>Research Assistant</b>   Speech Neuroengineering and Cybernetics Lab • 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.	<b>April 2025 – Present</b>
<b>Data Analytics Intern</b>   fAIshion Inc., USA • 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	<b>June 2025 – July 2025</b>
<b>Graduate Teaching Assistant</b>   UC-Davis - Graduate School of Management • <b>Applications Domains</b> : 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. • <b>Technology Management</b> : 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.	<b>Jan 2025 – June 2025</b>
<b>Intern Developer</b>   Globeminds Pvt Ltd, Pune, India • 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%.	<b>Jan 2023 – Dec 2023</b>

## ACADEMIC PROJECTS

<b>Business Data Management</b> • 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%.	
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## RESEARCH PAPER/PUBLICATIONS

<b>Food Waste Management with Community Collaboration</b>   DOI • Developed with MySQL, Apache; Frontend: HTML, JavaScript   International Journal of Research and Analytical Reviews (IJRAR). Published research on scalable, community-driven food waste solutions.	<b>May 2023</b>
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## SKILLS

<b>Programming &amp; Web Development:</b> Python, SQL, JavaScript, HTML, CSS, Flask, SQLite
<b>Business Intelligence &amp; Analytics Tools:</b> MS Office, Git/GitHub, Jira, Tableau, Power BI, Google Analytics, Metabase, Pandas, scikit-learn, NumPy, Seaborn, Matplotlib, PyTorch, TensorFlow
<b>Data Science &amp; Machine Learning:</b> Pandas, NumPy, Scikit-learn, Seaborn, Matplotlib, PyTorch, TensorFlow
<b>Product &amp; Business Concepts:</b> User Research, Product Strategy, Roadmapping, User Stories, Competitive Analysis, Product Analytics, Data Visualization, A/B Testing
<b>DevOps &amp; Project Tools:</b> Git, GitHub, Docker, Kubernetes, Jira, MS Office

## PROFESSIONAL DEVELOPMENT AND LEADERSHIP

<b>McKinsey Forward Program</b>   <i>McKinsey &amp; Company</i> <b>Certificate</b>	<b>July 2025</b>
<b>Data Science for Business</b>   <i>Harvard Business School Online</i> <b>Certificate</b>	<b>July 2025</b>