

# Aryan Tiwari

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## EDUCATION

**University of Massachusetts Amherst, Isenberg School of Management**  
*Master of Science in Business Analytics*

Amherst, MA  
*Candidate, September 2025*

**Manipal University Jaipur (MUJ)**

*Bachelor of Technology: Computer Science & Engineering*

Jaipur, Rajasthan  
*July 2022*

- Overall CGPA: 7.99/10.00

## WORK EXPERIENCE

**Cogneau Systems Private Limited**

*Associate Consultant (Automation Solutions)*

Gurugram, Haryana  
*December 2023 – June 2024*

- Engineered an automated alert system for corporate devices, microservices, servers and other cloud services, which increased feedback frequency by 200% and reducing average issue resolution time by 80%.
- Developed automation scripts and security enhancements for resources at Trend Micro and AWS cloud platforms, leading to 30% reduction in security incidents and cutting operational costs.
- Implemented and optimized Confluence for centralized documentation, improving team communication efficiency by 50%.
- Managed company-wide device and network security, ensuring compliance and reducing security vulnerabilities by 35%. Additionally, conducted security training to enhance staff awareness and compliance.
- Conducted technical interviews and assessments, streamlining the hiring process for new interns.

**Cogneau Systems Private Limited**

*Intern and Product Developer*

Gurugram, Haryana  
*January 2022 – October 2022*

- Designed and developed an NLP microservice for company's chatbot, which enabled clients to efficiently access, organize, and analyze big data, enhancing their data accessibility and processing efficiency by 70% over conventional methods.
- Created and deployed the WhatsApp message receiver and sender microservices, improving client satisfaction and increasing engagement rates by 80%.
- Developed the DataIO microservice to streamline frontend data storage and modification, boosting data handling speed by 50%.
- Enhanced data preprocessing microservices, leading to a 20% improvement in data quality and usability.
- Configured AWS workspaces for new interns to ensure seamless onboarding experience and access to necessary resources.
- Automated server-side tasks using Python scripts, reducing manual effort and increasing operational efficiency.

**Powergrid Corporation of India Limited**

*Software Developer Intern*

Gurugram, Haryana  
*June 2021 – July 2021*

- Developed a mobile app using Flutter for Electric Vehicle (EV) charging systems, allowing remote control of charging stations and reducing downtime by 25%.
- Automated EV charging operations, improving process efficiency and reducing human intervention by 30%.

## PROJECT EXPERIENCE

**Generative Chatbot using Seq2seq Model**

*January 2021 – June 2021*

- Led the development of an Artificial Intelligence (AI) chatbot using sequence-to-sequence model, adaptable across industries.
- Built additional testing modules, enhancing chatbot adaptability by 30% in various business scenarios.
- Managed project execution and team collaboration through structured planning and reviews.

**Cats and Dogs image classifier model**

*Feb 2020 – March 2020*

- Created an image classification model using Convolutional Neural Networks (CNN) to distinguish between cats and dogs, achieving a test accuracy of over 90%.

**Discord Bot for community**

*May 2018– Feb 2019*

- Developed a custom Discord bot for a gaming/social community server with over 6,000 members.
- Integrated advanced admin tools such as bulk delete, ban, and chat moderation, reducing manual moderation workload by 60%.
- Implemented utility and entertainment features, increasing server activity and chat participation by 45%

## SKILLS

**Programming Languages:** Python, JavaScript (NodeJS), Shell Script, Dart.

**Libraries and Frameworks:** NumPy, Pandas, Matplotlib, Scikit-learn, Tensorflow, Keras, Flask, Flutter.

**Cloud and DevOps:** Amazon Web Services (EC2, ECS, Lambda, CloudWatch), Docker, Trend Micro, Google Cloud, Kubernetes.

**Database and Tools:** SQL, MongoDB, Confluence, JIRA, Ansible, Git, RESTful APIs, Hadoop.

**Language:** Hindi (Native), English (Proficient), Japanese (Beginner)