

ADAMAY MANN

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Education

New York University

Expected 2026

Master of Science in Computer Science

Brooklyn, NY

- Relevant Coursework: Computer Vision, Artificial Intelligence, Web Search Engines, Design and Analysis of Algorithms, Human Computer Interaction

Thapar Institute of Engineering and Technology

2020 – 2024

Bachelor of Engineering in Computer Science and Engineering

Patiala, India

- GPA: 8.52/10.0
- Relevant Coursework: Operating Systems, Software Engineering, Object Oriented Programming, Machine Learning, Computer Networks, Database Management Systems, Conversational AI
- General Secretary at Microsoft Learn Student Chapter

Work Experience

Verizon

Feb. 2024 – Jul. 2024

Student Software Engineer Intern

- Implemented unit tests using Spring frameworks (Log4J, JUnit, Mockito), achieving **90% code coverage**, designing **parameterized and mock-based test cases** for edge cases and integration paths.
- Engineered **dynamic, state-managed** digital interfaces using the MERN stack, leveraging **React hooks and server-side rendering** to enhance UI responsiveness, **increasing user engagement by 20%**.
- Automated testing processes by integrating **Selenium and PyTest** scripts into **Jenkins-based CI/CD pipelines**, reducing manual intervention by **30%** and deployment time by **20%**.
- Optimized **PostgreSQL** database queries and **memory caching strategies (Redis)** in collaboration with **cross-functional teams**, enhancing **API response time by 15%**.

Indian Institute of Technology, Ropar

Jun. 2023 – July 2023

Research Intern

- Developed a **Transformer-Siamese network-based Behavioral Encoder** to generate facial reactions in dyadic interactions, **leveraging attention mechanisms**, achieving **3rd place in ACM'23 REACT challenge**.
- Conducted experiments on **multi-modal datasets**, integrating **Transformer-based architectures** and facial **Affect Embeddings**, improving **real-time interaction modeling by 12%**.

Samsung Prism Program

Dec. 2022 – May 2023

Research Intern

- Researched multi-modal emotion detection in human conversations, implementing **BERT+GRU-based sentiment classifiers**, improving accuracy by **12%**.
- Built **self-supervised learning models (RoBERTa)** for **multi-modal sentiment analysis**, achieving **88% accuracy**, and curated custom datasets for testing and training.

Ikarus 3D

Jun. 2022 – Nov. 2022

Software Developer Associate

- Designed **high-fidelity UI wireframes** and **developed interactive web apps** using Next.js, Django, Flask, and **Remix**, improving user workflow efficiency.
- Developed an **interactive 3D analytics dashboard** using **Google's Model Viewer API**, **React Native**, and **Docker**, enhancing data tracking accuracy by **25%** for tracking and visualizing point clouds of a 3D objects.
- **Enhanced application performance by 20%** through optimized state management, caching techniques, and asynchronous data handling, **optimizing API response times**.

Technical Skills

Programming Languages: Python, Java, C, C++, JavaScript (ES6+), SQL, HTML/CSS

Web & Backend Technologies: React.js, Next.js, Node.js, Express.js, Django, Flask, FastAPI, GraphQL, Spring, Spring Boot, REST APIs

Machine Learning & AI: TensorFlow, PyTorch, Scikit-learn, OpenCV, Hugging Face Transformers

Databases & Big Data: MySQL, PostgreSQL (PL/pgSQL), MongoDB, SQLite, Apache Spark, Hadoop, Redis

Cloud & DevOps: AWS (EC2, S3, Lambda), GCP, Docker, Kubernetes, Terraform, CI/CD (Jenkins, GitHub Actions)

Developer Tools: Git, Babel, ESLint, NPM, Postman

Publications

BEAMER: Behavioral Encoder to Generate Multiple Appropriate Facial Reactions

XIMI HOQUE, ADAMAY MANN, GULSHAN SHARMA, ABHINAV DHALL