Adamay Mann

Brooklyn, NY

🌐 adamaymann.servatom.com ✉ meadamann2002@gmail.com in adamaymann7 ⚙ mannadamay12

Education

New York University   Expected May 2026
Master of Science in Computer Science   *Brooklyn, NY*
- Relevant Coursework: Artificial Intelligence, Web Search Engines, Design and Analysis of Algorithms

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**, by carefully designing test cases to cover edge cases and integration paths.
- Engineered and optimized digital interfaces using the MERN stack, resulting in a **20% increase in user engagement and satisfaction** through enhanced user interface responsiveness and usability.
- Automated testing processes by integrating Python-based scripts into CI/CD pipelines, **reducing manual intervention by 30%** and **cutting deployment time by 20%**.
- Improved API performance by collaborating with cross-functional teams to optimize database queries and memory management, **reducing response time by 15%**.

Indian Institute of Technology, Ropar   Jun. 2023 − July 2023
Research Intern
- Developed a Behavioral Encoder for generating facial reactions in dyadic interactions using a Transformer and Siamese network architecture, achieving **3rd place in ACM'23 REACT challenge**.
- Conducted experiments on multi modal datasets, integrating Transformer-based architectures and facial affect features, **improving real-time interaction modeling by 12%**.

Samsung Prism Program   Dec. 2022 − May 2023
Research Intern
- Researched multi-modal emotion detection in human conversations and conducted sentiment analysis.
- Built **self-supervised learning models using transformer-based architectures, achieving 88% accuracy**, and curated datasets for testing and training.

Ikarus 3D   Jun. 2022 − Nov. 2022
Software Developer Associate
- Designed UI wireframes and developed web applications with NEXT.js, Django, Flask, and Remix.
- Conducted extensive research on 3D photogrammetry, reviewing key papers to draft comprehensive review papers that contributed to team projects on advanced 3D imaging techniques.
- Created and deployed an analytics tool using Google's Model Viewer API with React Native and Docker, streamlining data tracking and **improving efficiency by 25%**.
- **Enhanced application performance by 20%** through optimized state management, caching techniques, and reducing API response times by implementing asynchronous data handling.

Technical Skills

Programming Languages: Python, Java, C, C++, HTML/CSS, JavaScript, SQL
Technologies/Frameworks: Django, Flask, FastAPI, TensorFlow, PyTorch, Node.js, React.js, Next.js, Spring, Spring Boot, JUnit, Mockito
Developer Tools: Jenkins, Kubernetes, Docker, GIT, NPMBabel, ESLint
Platforms: Linux, Web, Windows, Arduino, AWS, GCP
Big Data & Databases: Hadoop, Apache Spark, MongoDB, MySQL, PostgreSQL, SQLite

Publications

BEAMER: Behavioral Encoder to Generate Multiple Appropriate Facial Reactions

XIMI HOQUE, ADAMAY MANN, GULSHAN SHARMA, ABHINAV DHALL