MANAN GANGWANI

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EDUCATION

Northeastern University, Boston, MA **May 2028**
Bachelor of Science in Computer Science, **Dean's List,** GPA: 3.94/4.00
Relevant Courses: Object-Oriented Design, Algorithms, Foundations of Data Science, Systems, Discrete Structures, AWS Skills Center Seattle (Advanced cloud services on AWS infrastructure and security.)
Extracurricular: AINU (Director of Education)

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, ReactNative, CSS, HTML, SQL, Linux, C
Frameworks & Libraries: React.js, Node.js, Pandas, Plotly, Langchain, Streamlit, Ollama
Tools: VS Code, IntelliJ, PyCharm, Git, MySQL, Replit, Tableau, Power BI, Relational Databases, Latex
Cloud: AWS (Certified Cloud Practitioner) - EC2, S3, Lambda, IAM, EBS, ECS, RDS

WORK EXPERIENCE

Burnes Center for Social Change Co-op **Jan - Jun 2026**
Generative AI Product Development Fellow, Boston, MA
- Collaborating with public-sector partners to apply generative AI in improving government services, while working alongside professional product advisors and cross-functional stakeholders to drive innovation.

Ernst & Young **Jul - Sept 2025**
Software Consulting Intern, Mumbai, India
- Developed an AI-powered dashboard application in Python using Retrieval-Augmented Generation (RAG), enabling users to quickly access context-aware insights and make faster, data-driven decisions.
- Developed from scratch a unique offline Generative AI tool using the Mistral model for the BFSI domain, mastering prompt engineering to train the model, resulting in insightful analytics tailored to industry needs

Knack Peer Tutor **Feb 2025 - Present**
*Peer Tutor**,** Boston, MA*
- Tutored 10+ students in Logical Reasoning, Discrete Structures, and Computer Science fundamentals, simplifying complex concepts with practical examples and algorithms optimization techniques

Supros Experience **Jul 2023 - Aug 2023**
Project Intern, Mumbai, India
- Implemented an AI chatbot that gave 50+ farmers timely recommendations on crop harvesting and weather conditions, improving harvest timing by 10% and yields by 7% - Leveraged Google Dialog Flow and JS

PROJECTS

AI-Based Document Pipeline - Python | Pandas | CSV Automation **Oct 2025**
- Engineered a rule-based text processing pipeline to map unstructured policy text to relevant medical and regulatory codes using token overlap scoring and normalization.
- Designed modular data loaders and a confidence scoring algorithm for scalable and interpretable inference

Oasis Project (Student Club): ReactNative | TypeScript | React.js | HTML | CSS | Supabase **Feb 2025 - Apr 2025**
- Building a food recommendation app tailored to user/ food preferences, using **JavaScript** and **React Native**.
- Developed a scalable backend for real-time recommendations, using **Supabase** for backend workflow.

MIT iQuHack Hackathon 2025: Classiq | Numpy | JSON **Feb 2025**
- Developed a quantum state preparation algorithm to improve qubit efficiency using Classiq's SDK

RESEARCH **Aug 2023**

- Published paper on Utilizing LSTM Neural Networks for Sentiment Analysis of Tweets in the International Journal of Advance Research, Ideas and Innovations in Technology.
- Co-authored study on aspect-based sentiment analysis techniques applied to Slovene texts using **ML** models

INTERESTS

- Soccer, Electric guitar and drums, travel and cultural exploration, finance, AI, fintech, data science