MANAN JAIN

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PROFILE

Student with software development experience in Quantitative Trading, Project Management, and Software Development. Excited about challenges, novelty, and relentless improvement. Love meeting new people and collaborating in fast-paced teams.

EXPERIENCE

Quant Trading Intern — IMC Financial Markets (IMC) — *Chicago, IL*   Jun 2024 - Aug 2024

- Analyzed extensive trading data to identify patterns and features predictive of informed trading
- Developed a ML-aided hedging strategy resulting in a **0.19 bps** increase in PnL, translating to a consistent **160% increase** in raw PnL over 4 months of back-tested data, now actively deployed in production
- Innovated a unique scoring metric that optimized model accuracy by decreasing reliance on erratic trades and contributed to more reliable and consistent PnL results.

Head Of Technology — Disruption Lab (Dlab) — *Champaign, IL*   Aug 2021 - Present

- Provided strategic support to **100+** SWEs and Project Leadership, helping resolve complex technical and managerial issues to ensure seamless and successful project execution for a semester-ly rotating **10-12** projects.
- Managed and optimized resource utilization for critical tools such as AWS and ChatGPT API, achieving a cost reduction of up to **53.9%** in monthly expenses.
- Spearheaded the planning and implementation of organization-wide initiatives and events designed to enrich the SWE experience, fostering a more welcoming and productive culture within Dlab.
- Initiated discussions with prospective clients to expand Dlab's reach and impact in the tech consultancy sector.

Product Incubation Intern — Synchrony — *Champaign, IL*   May 2023 - May 2024

- Developed and launched a generative AI-powered search functionality that enables users to explore partners' products inspired by creative themes, successfully evolving from proof of concept to a **production-ready feature**
- Spearheaded the development of a live commerce financing PoC, independently designing innovative solutions for Synchrony's attempt at breaking into the **$526.72 billion** global industry.

PROJECTS

NER Tagger *(Python, Tensorflow, Keras)*: Developed a chrome extension to analyze articles and perform deep-learning aided Named Entity Extraction achieving a **92.8%** accuracy on the CoNLL-2003 dataset

Emotify *(Python, React.js, Flask, Numpy, Pandas, Open-CV):* Developed a CV emotion detection based song recommender

Network Booting & Latency Analysis *(Linux, Vagrant, C)*: Set up a PXE Boot server to automate booting, testing latency, installing software, and running programs on multiple client VMs. Common DevOps practice in HFT firms.

EDUCATION

University of Illinois Urbana-Champaign (UIUC):   Computer Science + Economics, *Minor: Math*
Major GPA: 3.96   **Honors:** Dean's List Scholar
Relevant Coursework: Natural Language Processing, Programming Languages and Compilers, Algorithms & Models of Computation, Computer Architecture, Data Structures, AI, Applied ML, Systems Programming, High-Frequency Trading

SKILLS

Languages   C/C++, Python, JavaScript, Solidity, SQL, MongoDB, Assembly, R
Technical Skills   OOP, REST API, Agile Workflow, Linux/Unix, Full-Stack Development, Scripting, AI/ML, Git