Nandini Bezawada

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Education

- **University of Chicago** *2023-2026*
- **University of North Carolina at Chapel Hill** *2022-2023*
- **Major:** B.S. Computational and Applied Mathematics, minor in Data Science
- **GPA:** 3.61

Work Experience *Summer 2024*

- **Data Science Intern: Motorola Solutions, Inc.**
  - Implement data analysis techniques, machine learning algorithms and natural language processing on vast amounts of events data to limit incident generation and automate ticket resolution for devices used by first responders.
  - Collaborate with several functional teams and stakeholders. Present final findings, solutions to company leadership.
  - Utilized Python, Jupyter Notebooks, MySQL Workbench, ML Clustering and Classification Algorithms

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Technical Experience *2021-2024*

- **Grand Team Prize Winner: MIT Lincoln Labs Beaver Works Summer Institute (BWSI)**
  - Autonomous Air Vehicles Course: studied ROS, Machine Learning, Controls, Transforms, Neural Networks
  - [Final Team Project](): Programmed drones in Python to fly autonomously through an obstacle course of colored hoops.
  - Utilized Computer Vision, Flight Geometry, Aerodynamics, and PID Controls.
- **Python Implementation of Go**
  - In a team of 4, developed a playable Go game, including the game logic, a GUI, a terminal-based interface, a simple game-playing strategy, and tests. Main role included game logic and terminal interface (TUI).
  - Utilized Python, pygame, pytest, Git, GitHub, Linux command-line.
- **Data Analysis and Predictive Model: Crime Reports in Chicago**
  - In a team of 3, performed data cleaning and aggregation, with graphs, geographic heatmaps of Chicago.
  - Developed a LASSO regression model to predict if a criminal will be arrested or not, given several variables.
  - Utilized Python, Sklearn, Numpy, Pandas, Matplotlib, and Jupyter Notebooks.

Leadership *2021-present*

- **Investment Committee Analyst**: UChicago Smart Women Securities
  - Pitch stocks and formulate monthly investment thesis, which is invested in a virtual portfolio.
  - Empower new generations of women investors. Facilitate and compete in women-focused poker tournaments.
- **Deputy Director, Fundraising Co-Chair**: Duke-UNC China Leadership Summit
  - Facilitate and direct the Fundraising, Logistics, Publicity, and Attendee Relations teams to hold a successful summit.
  - Develop communication, teamwork, and negotiation skills to secure speakers for a summit of over 200 delegates.
  - Negotiate department sponsorships, student senate funding, crowdfunding, outside sponsorships, private donations.
  - Host notable speakers like Hanscom Smith, Former US Consul General in China and Chinese Embassy members.
- **Outreach Lead**: Carolina Augmented/Virtual Reality Club
  - Foster relations, collaborative opportunities between club and academic depts, faculty, & industry companies.
  - Organize community outreach events, approve student applications and curriculums to lead academic seminars.
  - Pursue educational, interactive, and employment opportunities for undergraduates interested in AR/VR.

Skills *2021-present*

- **Computer:** Python, Java, Microsoft Office, Jupyter Notebook, VSCode, Git, Linux, SQL, HTML, A-Frame
- **Data Analysis (Python):** Cleaning, Visualization, Interpretation, Aggregation, Configuration, Modeling, Classification
- **Natural Languages**: Mandarin (spoken), Sanskrit (written and spoken), Japanese (conversational)

Relevant Coursework *2022-present*

- **Computer:** Data Structures, Intro to Programming, Intro to Data Science
- **Applied Mathematics:** Linear Algebra for Applications, Physics: Mechanics, E/M, Calculus 3
- **Mathematics:** Abstract Linear Algebra, Real Analysis, Proofs and Analysis, Discrete Mathematics
- **Practical:** Financial Accounting (Booth School of Business), Micro and Macroeconomics, Chinese I and II
- **London School of Economics Study Abroad:** Fixed Income Securities, Debt Markets and the Macro Economy