

MANN TALATI

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Education

University of Illinois at Urbana Champaign

Bachelor of Science in Statistics and Computer Science

Expected Graduation: May 2027

Urbana, IL

Technical Skills

Programming/Tools: Python, C++, SQL, Java, R, HTML/CSS, Databricks, Jupyter, Git, RStudio, Jira, Confluence
Libraries/Frameworks: Pandas, Tensorflow, NumPy, BeautifulSoup, OpenCV, PIL, PySpark, Seaborn, Matplotlib, Figma
Interests: Drumming, Coin-Collecting, LEGOs, Traveling, Strength Training

Experience

Ameren

November 2024 – Present

Data Science Intern

Urbana, IL

- Implementing and tuning short-term **electric load forecasting models** to optimize operational costs and energy usage
- Enhancing **data engineering** processes for CI/CD pipelines and production-level models through modularization

Former Harvard Preceptor, David Kane

June 2023 – August 2023

Data Science Intern

Remote

- Developed **10+ data science tutorials** from R for Data Science (2e) by collaborating with Harvard preceptor to enhance educational resources for students
- Drafted and contributed to fundamental chapters on statistical methods, **predictive models**, and mathematical expressions in the book (Preceptor's Primer) offered in Kane's Data Science Course through **R and RStudio**

Silverline Educational Advisory Services

July 2022 – March 2024

Software Engineering and Web Development Intern

Remote

- Assisted with the redesigning of the website through **React, Typescript, and CSS**, improving engagement
- Implemented bot functionalities (ticketing, direct messaging users, etc.) with the CTO using **Discord.py**, enhancing support for **250+ members**

Projects

MacroMasters | Python, Typescript, React Native, Springboot, Java

January 2025 – Present

- Training and evaluating **image classification models** to optimize the performance of food recognition
- Improving **navigation flow** and user interface by building intuitive user functionality

Spotify Song Recommender | Python, Spotipy, Tkinter

May 2024 – June 2024

- Used spotipy and Spotify API to recommend songs based on user's mood, genre, and **top 15 most listened-to** artists
- Created the **graphical user interface** with Tkinter to enable user interaction

The Drainiacs | Python, PIL, PyTorch, NumPy, OpenCV

September 2020 – March 2021

- Employed the SMTPlib and PIL libraries to **automate sending email messages** based on drain blockage results
- Composed a **130+ page** research paper detailing the effects of drain blockages, our proposed solution, and test results
- Leveraged **LiDAR technology** to capture test images for the machine-learning model

Activities

CUBE Consulting

September 2024 – Present

Technical Consultant

Urbana, IL

- Improving **website SEO** and user engagement with **Framer** through category design and experiential marketing plans
- Developed a **spectrometry algorithm** to extract spectral information and enhance product functionality
- Contacted **20+ potential clients** weekly to facilitate partnerships and projects for upcoming semesters

Relevant Coursework

Data Structures, Statistics and Probability I, Discrete Structures, Linear Algebra, Calculus III, Software Design Lab