

BHARGAV KANTHETI

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EXPERIENCE

NYC Administration of Children's Services

New York, NY

Summer Graduate Intern

Jun 2024 – Aug 2024

- Developed and deployed an automated staffing forecast model for 10,000 employees, meeting critical SLA timeframes. Enhanced model from linear to seasonality-aware predictions, consistently **achieving 95% accuracy in quarterly staffing requirements**. Developed an intuitive workforce dashboard, aligning leadership across NYC offices and **saving 8 hours of debriefing meetings per quarter for each leadership team**.
- Improved team workflow by [designing](#) a tailored tech stack, enhancing efficiency and code reusability, resulting in a **2-week reduction in production time per cycle**. The increased visibility fostered team initiative to develop internal tools, including my [colstats](#) project, which **reduced data analysis time by over 95%**.
- Conducted cost-benefit analysis on a \$1million+ vendor proposal for legacy system rebuild. Leveraged domain expertise to conceptualize and pitch an in-house solution, **projecting over \$1 million in cost savings** and improved ROI: [Internship Report](#).

Columbia University Irving Medical Center Pathology Lab

New York, NY

Machine Learning Infrastructure Engineer

Jun 2024 – Aug 2024

- Analyzed wet bench to imaging workflow, identifying inefficiencies. Developed an automated GPU-based solution, reducing software complexity and tripling render speeds, which **increased daily sample processing capacity by 150% and cut result delivery time from 3 days to 1 day**.
- Created an intuitive [user interface](#) for research ideation and rapid prototyping. Solution **accelerated research lifecycle by several months**, saving significant time in writing research proposals and drafting papers.

hiddengenres.com

New York, NY

Founder

Jan 2024 – May 2024

- Developed MVP to validate market viability in surfacing under-appreciated music. Engineered scalable proof-of-concept on AWS, **processing 2M+ songs within a week**, establishing technical feasibility.
- Leveraged Unsupervised ML to categorize songs into 7000+ distinct music genres. Implemented UI/UX improvements through A/B testing and strategic imperfections, **resulting in an 80% decrease in user churn rate**.

Feynn Labs

Guwahati, IN

Machine Learning Intern

May 2022 – Jul 2022

- Led "What If" Analysis project, forecasting viability of hypothetical EV company in India. Combined battery supply chain's influence on stock variability of Tesla to make **winning projections and recognized as the most realistic**.
- Conducted market segmentation analysis, leveraging transactions and inventory logs. Identified product trends, reducing expiry-related losses and **improving targeted customer engagement by 20% for small businesses**.

EDUCATION

Columbia University

New York, NY

MS in Data Science

Aug 2023 – Dec 2024

Gandhi Institute of Technology and Management

Visakhapatnam, IN

BTech in Computer Science and Engineering

Jul 2019 – Apr 2023

MISC. EXPERIENCE

[relatable-impact](#), project

Made a [YouTube video](#) pitching a place for psychology in data science and remarked as **"best ever made."**

[MetaFoR](#), project

Analyzed 20k R packages, created engaging UI/UX, and was termed the **"most innovative"** project.

Data Science Institute Student Council, Voting Member

Collaborated with over 100 alumni to create a centralized bank of career guidance on Data Science.

CodeX, Tutor

Taught hands-on app development to 300+ students. **Over 30% got internships through their apps.**

Computer Society of India, Volunteer

Shared phishing awareness tips in 6 local neighborhoods, helping residents better protect themselves online.