

# Diya Nair

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## EDUCATION

### Barnard College, Columbia University

New York, NY

B.A in Computer Science and Minor in Science and Public Policy, GPA: 3.7

Sep 2022-May 2026

- **Relevant Coursework:** Advanced Programming in C, Data Structures in Java, Fundamentals of Computer Systems, Data-Driven Design for Social Innovation, Policy for Privacy Technologies, Discrete Math, Principles of Economics, Linear Algebra and Probability, Principles of Innovation and Entrepreneurship

## WORK & LEADERSHIP EXPERIENCE

### Aquafoundry

Bangalore, India (Remote)

Artificial Intelligence Intern

June 2024 – August 2024

- Created **AI-based prediction algorithms** using **YOLO** (You Only Look Once) and other **object detection algorithms** to detect diseases, pests, growth, and harvest detection at India's first fully managed aquaponics farm.
- Created **front-end** Aquaponics Resource Planning Website and dashboard in **React** which displays harvest and disease status.

### Columbia Organization of Entrepreneurs

New York, NY

Product Manager Fellow

February 2024 – April 2024

- Learned and used common PM tools including **RICE Analysis, Painted Door Test, SQL, Net Promoter Score, PRDs and Product Briefs, Funnel Analysis** from PMs at top technology companies including Google, Microsoft, and Spotify.

### Columbia Higgins Lab

New York, NY

Research Assistant

June 2023 – August 2023

- Used **Natural Language Processing** (NLP) and **R** to analyze conversational dynamics among strangers to prove the “shared reality”
- Performed **literature reviews, data cleaning, qualitative coding of conversation data using Jupyter Notebook, quantitative data analysis and visualizations in R** with PhD student Emma Miller

### Columbia Daily Spectator

New York, NY

Graphics Deputy Editor

September 2022 – Present

- Driving **data journalism** at the **university newspaper** by pitching **data-driven** stories and creating breaking **data visualizations** impacting the Columbia and West Harlem community
- Using **Excel** to **analyze** data and **Python packages and libraries (Pandas, NumPy, Seaborn, Plotly, Matplotlib, VADER)**, **R** packages (Tidyverse and Mapbox), **Javascript, Adobe Illustrator** to create **data visualizations**
- Leading and mentoring team of 11 **data journalists** in assigning stories, editing stories, holding data journalism training sessions, and keeping strict deadlines for breaking stories

## SKILLS, ACTIVITIES & INTERESTS

**Technical Skills:** Java, C, Linux, Python, Swift, HTML, CSS, Javascript, Adobe Illustrator, Microsoft Office Suite, LaTeX, Tableau, SQL

**Projects:** HTTP/1.0 server written in C (Class Project), [Covoogole](#) - to predict future hotspots using Google Search Keyword Trends, [Covid Salud](#) - to support the Latinx community during the COVID pandemic

**Activities:** Columbia Organization of Entrepreneurs (Member), Columbia Hindu Student Organization (Interfaith Chair), Columbia Meet Me at the Museum (Member)

**Interests:** making playlists on spotify that are “zeitgeist mosaics” of my life and singing (musicals, Japanese, Spanish, and Indian spiritual music)