


# PRIYAL NANDA

☎ 617-642-8502 ✉ [nandapriyal2003@gmail.com](mailto:nandapriyal2003@gmail.com)  [linkedin.com/in/priyal-nanda](https://www.linkedin.com/in/priyal-nanda)

## Education

University of Massachusetts Amherst

Anticipated Fall 2025

*Bachelor of Science in Computer Science, Business Minor*

## Relevant Coursework

Introduction to algorithms, Artificial Intelligence, Computer Systems Principles, Web Programming, Python Programming, Object oriented programming, Data Structures, Data Analytics with Python, Practice and Application of Data Management, Mathematical foundation for Informatics, Calculus series (I II, III), Linear Algebra, Statistics, Reasoning Under Uncertainty, Introduction to computation, C Programming Language, Network world, & Marketing

## Experience

**Hack(H)er413** | *Head of Technology*

Oct 2024 – Present

- Coordinating with directors and assistant Technology Heads to align on web and system development goals, ensuring streamlined project execution.
- Building and enhancing the Hack(H)er413 website using HTML, CSS, and JavaScript; deploying a dashboard using Heroku with backend frameworks to manage registrations and automate event workflows.
- Integrating data tracking tools for engagement analysis, executing UI improvements to boost accessibility/user experience.

**Siemens Healthineers** | *Data Governance Intern*

Jun 2024 – Aug 2024

- Developed and implemented Power BI dashboards to analyze customer data from SAP systems, generating insights that enhanced the Customer Data framework model.
- Utilized Azure Data Bricks and SQL for backend data analysis, addressing discrepancies and creating geospatial clustering models using the GeoPandas library in Python.
- Designed roadmaps and data framework models for the Install Base Data Product, analyzing Data Quality documents, assessing over 100 critical data elements, & defining business roles & stewardship to deliver a comprehensive data product.
- Restructured SharePoint site and updated Microsoft Purview Data Catalog, improving governance for our digital products.

**Dream Lab** | *Undergraduate Research Assistant*

Sep 2023 – Feb 2024

- Worked on the development of tool aimed at selecting optimal values for expansive datasets in an incremental manner.
- Condensed large datasets, by employing advanced SQL techniques to efficiently query data reducing runtime time by 20%.
- Gained expertise in database management, SQL optimization, and data driven decision-making.

**HCI-VIS Lab** | *Research Intern* ([Publication Link](#))

May 2023 – Present

- Developing a model to identify deceptive data visualization, addressing the spread of misinformation.
- Leveraging Convolutional Neural Networks (CNN) and Large Language Model (LLM) for deep learning analysis.
- Proficiently coding machine Learning Algorithms in Python (Tensor Flow, PyTorch, and Keras) for accurate classification.

**BUILD UMass** | *Product Manager*

Feb 2023 – Present

- Utilizing the MERN stack for developing a webpage for the client, with a primary focus on the frontend using React.JS.
- Leading meetings with internal team members, clients, and project leads.
- Overseeing end-to-end website development, including design and optimization while ensuring a cohesive online presence.

**Manning College Of Information and Computer Sciences** | *Undergraduate Course Assistant*

Sep 2023 – Present

- Support 300+ students in practice/application of data management in SQL by hosting office hours, Labs & 1-on-1 tutoring.

## Projects

**Spotifynder** | *Web App*

Sep 2024 - Nov 2024

- Designed a social discovery app, allowing users to sign in via Spotify to personalize profiles based on music preferences.
- Developed frontend and backend using HTML, CSS, and JavaScript, integrating Spotify API for seamless authentication and user matching

**Hate Speech Detection using Machine Learning** | *Research Project*

Sep 2022 - Dec 2022

- Analyzed various methods and datasets developed for manifesting hate speech detection problem.
- Proposed effective ways of implementing machine-learning algorithms to combat spread of hate speech on social media.

## Skills

**Technical:** Python, JAVA, JavaScript, TypeScript, SQL, NoSQL, PostgreSQL, R, HTML, CSS, & C

**Tools:** Power BI, Azure Dev-Ops, DataBricks, Microsoft Suites, Tableau, Jira, Web-Dev, Machine Learning, Cloud Computing, Statistics, Github, React.js, Node.js, Pandas, NumPy, Keras, Tensor Flow, & Scikit-learn

## Leadership / Extracurricular

**Orgs:** Indian Student Union(Treasurer), Student Government Association(Senator), FreshCICS(Social Event Committee)

**Clubs:** Data Science, Women in Computer Science, Product Management, Girls Who Code, South Asian Student Association