

Neeza Singh

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EDUCATION

Boston University

Bachelor of Science, Data Science

Boston, MA

May 2025

- Deans' List x4
- Generative AI Advising Fellow for BU Faculty, Head of Center for Computing & Data Sciences Communications
- **Relevant Courses:** Database Mechanics, Multivariable Calculus, Machine Learning for Business Analytics, Algorithm Design, Computer Vision in AI

WORK EXPERIENCE

Accenture Song

Boston, MA

Business Architecture Analyst

June 2024 – August 2024

- Collaborated with cross-functional teams to design and implement a web-based feature for a global food & beverage client, enabling users to generate personalized images (DALL-E), leading to a 25% increase in social media engagement.
- Designed and implemented data metrics and dashboards to track campaign effectiveness, leveraging Google Analytics and Looker.
- Conducted A/B testing on user-generated content, translating behavioral insights into innovative product features.

Tcube Inc.

Remote

AI Product Manager

December 2022 – Present

- Engineered a conversational Chatbot for supply chain management using reinforcement learning and speech recognition algorithms, enhancing query accuracy by 30%.
- Designed and led development of UI/UX dashboards for analytics and help features, integrating client feedback in iterative sprints.
- Leveraging distributed systems (AWS Lambda, Docker) to ensure fault-tolerant and scalable solutions for real-time analytics.
- Enhanced demand forecasting efficiency by 20% through the optimization of KPIs using predictive models and scalable cloud-based data lake solutions.

Boston Medical Center

Boston, MA

Data & UI/UX Design Intern

September 2022 – February 2023

- Utilized UI/UX and web design experience to launch website and boost BMC social media engagement by 50%.
- Collaborated with research team in launching RESPOND simulation model for opioid insights; created data visualizations for presentation to policymakers using PowerBI.
- Applied unsupervised machine learning algorithms to cluster patient data, uncovering disparities in demographic health outcomes.

Merck Group

Remote

Voice of Customers Intern

May 2022 – September 2022

- Collaborated with Merck's IT leaderships and business executives in 1:1 interviews to improve high budget projects and quality of product throughput.
- Collected survey responses and performed data cleaning, processing, and presenting Tableau data visualizations of over 1000 lines of unstructured data. Reduced project delivery delays by 15% in one quarter.
- Co-Founded first-ever Voice of Customers initiative within the company to improve project management and budget allocation goals.

PROJECTS AND RESEARCH

Global Scope Lab (Boston University)

Boston, MA

Research Assistant

September 2023 – Jan 2024

- Designed and implemented deep learning models for financial forecasting, utilizing linear and nonlinear optimization techniques to improve prediction accuracy by 25%.
- Conducted time-series analyses on multi-variate datasets to support entrepreneurial ventures in navigating post-COVID market dynamics.
- Amplified the lab's social presence by managing website and collaborating with policymakers/business leaders to retrieve qualitative data. [Global Scope Lab](#)

NAACP Racial Media Bias @ MassMutual

Boston, MA

Team Lead

March 2024- March 2024

- Selected as one of 30 students for MassMutual's Tech Consulting program; conducted a month-long data science sprint focused on leveraging NLP pipelines (SpaCy, HuggingFace Transformers) and Census API integration to quantify racial representation trends in Boston Globe articles.
- Fine-tuned a small language model (LLM) on regional news datasets using transfer learning to analyze racial bias in media coverage.
- Developed geospatial visualizations with Kepler.gl and GeoPandas, overlaying demographic data with sentiment scores to identify disparities across geographic areas.

INTERESTS & SKILLS

Programming: Python, Angular, React, .Net Core, HTML/CSS/JavaScript, Mobile App Development, Web Design, PyTorch, Tensorflow, Scikit-Learn, AWS Lambda, Apache Spark, Git, Docker, SQL, C++

Other Technical/Non-Technical Achievements: Adobe Creative Cloud, Figma, Market Research, Git, PowerBI, Salesforce

Certifications: Machine Learning for Healthcare Data (Stanford University), Professional Certificate in Data Science (Columbia University & Department of Transportation)