

Smriti Bajaj

(774) 717-2777 | bajaj.sm@northeastern.edu | smritibajaj.com | linkedin.com/smriti-bajaj

Available: **May 2023**

EDUCATION

Northeastern University, Boston, MA

Sep. 2021 - Present

Candidate for **Master of Science in Data Science**

GPA: 3.9

Madhav Institute of Technology & Science, Gwalior, India

Aug. 2014 - Jun. 2018

Bachelor of Engineering in **Computer Science & Engineering**

Honors

TECHNICAL SKILLS

Languages: Python, JavaScript, C++, R, HTML, CSS

Databases: MongoDB, MySQL, XML and SQLite

Frameworks: Django, Node.js, React.js, Restful APIs, Scikit-learn, Numpy, Pandas, PyTorch, Git

Tools and Technologies: GraphQL, Docker, AWS SNS, EC2, GCP, Machine learning, Splunk, Kibana

EXPERIENCE

Software Development Engineer Co-op - ML | *Motorola Solutions, MA, USA*

Aug 2022 - Dec 2022

- Implemented new features and unit-tests for metric evaluation in an object detection tool using Python.

Software Development Engineer Co-op - ML | *Amazon, CA, USA*

May 2022 - Aug 2022

- Performed machine learning experiments for object detection in Python and achieved a performance rate of 82%.
- For better inference times, deployed tflite models for both CPU and GPU on an Android platform using JAVA.

Graduate Teaching Assistant | *Northeastern University, Boston, MA*

Jan 2022 - May 2022

- Engaged in grading and helping students code and debug solutions in **Algorithms(CS 5800)** during TA hours.

Research Intern - ML, AI | *Indian Institute of Technology, Bombay, India*

Nov 2020 - Mar 2021

- Led the teams in systematizing agile techniques and modified a layout annotation tool to digitize the Indic books for Reliance Jio's educational product using **OCR model** built in Python, Django, AWS EC2 and Tesseract.

Software Engineer - AI | *Accenture Solutions, Pune, India*

Apr 2020 - Nov 2020

- Developed **microservices leveraging Node.js REST APIs** and GraphQL via 3rd-party integration with AWS SNS, Salesforce, Zendesk, and channels like Hangouts, resulting in a 10% growth in the customer base.
- Led technical demos, modeled logical data designs, delivered multiple knowledge transfer sessions on **MongoDB**.

Associate Software Engineer - AI | *Accenture Solutions, Pune, India*

Aug 2018 - Apr 2020

- Designed the platform to detect intents through user queries for different chat bots and trained those utterances using **Natural Language Processors**- Dialogflow and Lex thereby improving the automation rate by 18 times.
- Migrated Typescript and **AWS lambda based micro-services** into JavaScript ES6 to cut server load by 20%.

PROJECTS

Registration and automatic tracing for NCTracerWeb | *Northeastern University*

Jan 2022

- Developed and deployed a general admin console in a containerized manner, which will support features such as user management and group creation using **React.js, Docker, Kubernetes** for scientists.

BlogsAndNews | *Northeastern University*

Dec 2021

- Independently implemented scalable front-end template, design modules in **Django**, embedded a multi-user authentication system, news API, user profiles and SMTP connectivity for blogging and reading technical articles.

Impact network visualization | *Sirius Global*

Aug 2021

- Restructured **React.js framework**, improved authentication via Strapi providers - Google and LinkedIn APIs.
- Visualized choropleth maps for SIRIUS' impact score system capable of handling 1M sub-organizations' data.

News articles classifier | *Self-paced*

Jan 2021

- Scraped NY Times website, compared various state of the art **classification models** like SVM, Naive Bayes and Decision trees to predict categories of articles to achieve highest accuracy of 89% in Python.

RECOGNITIONS

- Event organizer for Khoury's Master Student Council.
- Attended Grace Hopper Celebration 2022 as a Scholar.
- Received a reward for an exemplary contribution in delivering chatbots, Accenture.
- Published a technical and a business whitepaper, Accenture.
- Contributed to open-source projects, NFoton and Publiclab.
- Technical writer on Medium under @smritibajaj22.