

Smriti Bajaj

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EDUCATION

Northeastern University, Boston, MA
Khoury College of Computer Sciences

Candidate for Master of Science in Data Science

Sep. 2021 - Present
Expected Graduation: May. 2023
GPA: 4.0

Madhav Institute of Technology & Science, Gwalior, India
Bachelor of Engineering in Computer Science & Engineering

Aug. 2014 - Jun. 2018
Honors

TECHNICAL SKILLS

Languages: Python, JavaScript, Typescript, C++, R

Databases: MongoDB, MySQL, XML and SQLite

Frameworks: Angular, Node.js, Flask, Django, React.js, Restful APIs

Technologies: AWS (NLP, SNS, EC2), GCP, Computer vision, Machine Learning, Deep learning, Docker, Splunk, Kibana

EXPERIENCE

Applied Research Intern | *Indian Institute of Technology, Bombay, India*

Nov 2020 – Mar 2021

- Remodeled the pipeline for Indic text detection leveraging **Tesseract as an OCR library and Django ORM**, formerly based on AttentionOCR, and hosted with AWS EC2 for Reliance Jio's educational product.
- Streamlined **agile development** of the OCR application that led to a 35% increase in the funding from Reliance Jio.

Application Development Analyst | *Accenture Solutions, Pune, India*

May 2020 – Nov 2020

- Developed **micro-services and REST APIs for Chatbots** utilizing AWS SNS, social media channels/IMs, Zendesk, and Salesforce for Covid-19 Contact tracing, resulting in a 10% increase in the client base.
- Instituted an error recovery algorithm and a transporter developed with **Node.js** in a Chatbot for improved efficiency.
- Led technical demos, delivered multiple knowledge transfer sessions on **MongoDB** and modeled logical data designs.

Application Development Associate | *Accenture Solutions, Pune, India*

Aug 2018 – Apr 2020

- Devised and **fine-tuned Chatbots** for education and pension using Node.js employing REST APIs and **NLP providers**.
- Migrated Typescript and **AWS lambda based micro-services** into JavaScript ES6 to cut server load by 20%.

Internship | *Oracle Financial Services Software Ltd., Pune, India*

Jun 2016 – Jul 2016

- Analyzed DevOps logs and performed data wrangling, visualization, feature engineering, and data modeling in Splunk.

PROJECTS

Impact network visualization | *Sirius Global — Khoury College of Computer Sciences*

July 2021 – 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 organizations.

Clean water solution | *Call for Code — IBM*

May 2021 – July 2021

- Scraped the Aquastat data of 200 countries - 193 features and modeled an intelligent solution using **clustering parameters based on KNN distance plot** for small-scale farmers to identify the factors affecting water availability and its consumption, with IBM Watson.

BlogsAndNews | *IIT Bombay, India*

Nov 2020 – Dec 2020

- Created an open-source web app featuring multi-user authentication to blog and read articles.

News Articles classifier

July 2020 – Aug 2020

- Modeled a **NY Times article classifier with 89% accuracy** using Python scikit and Django to expose APIs.

RECOGNITIONS

- 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.