

# Sanskar Sharma

Boston, MA

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## Education

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### Northeastern University

*Master of Science in Computer Science*

Coursework: Programming Design Paradigm, Algorithms, Machine Learning, Web Development

December 2026

*Boston, MA*

**GPA: 4.0**

### University of Mumbai

*Bachelor of Science in Information Technology*

Coursework: Operating Systems, DBMS, Computer Networks, Cybersecurity, Machine Learning, Cloud Computing

April 2022

*Mumbai, India*

## Technical Skills

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**Languages:** JavaScript, Python, C, C++, Java, Typescript, HTML, Go, R

**Frameworks:** React.JS, Next.JS, Angular, Node.JS, Express.JS, Flask, Django, SASS, Bootstrap, Tailwind CSS

**Databases:** MongoDB, MySQL, Redis, PostgreSQL

**Tools & Platforms:** Git, Docker, AWS, Selenium, Postman, Figma, Firebase, Excel

**Machine Learning & Data Analysis:** TensorFlow, PyTorch, Keras, LLMs, Scikit-learn, Pandas, NumPy, NLTK

## Professional Experience

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**Lightmatter** | *Web Application Software Intern* | *Boston, MA*

May 2025 - Present

- Built web apps in Next.js and TypeScript to display real-time live hardware data
- Developed backend features using Node.js and integrated MongoDB for data persistence
- Used Docker for containerization and deployed services on AWS infrastructure
- Integrated REST, GraphQL and gRPC APIs; wrote unit tests with Jest and documented UI in Storybook
- Collaborated in Agile sprints to ship full-stack, production-ready features

**Fourie.ai (by SyncSense)** | *Software Development Engineer - I* | *Bangalore, India*

October 2022 - July 2024

- Led frontend development for Fourie's audio-video editing platform, driving 100% user growth in three months
- Integrated LLMs for real-time speech-to-text and text-to-speech processing across 600+ languages
- Optimized and fine-tuned NLP models in collaboration with data engineers, reducing inference latency by 40%
- Improved user retention by optimizing model performance and ensuring faster response times
- Mentored 4 interns, boosting their productivity and contributions to ongoing projects

**Fourie.ai (by SyncSense)** | *Frontend Developer - Intern* | *Bangalore, India*

August 2022 - September 2022

- Implemented key frontend features with Angular, TypeScript and WebSockets to enhance platform responsiveness
- Reduced load times by over 80%, enhancing user experience and platform speed
- Created interactive data visualizations using Seaborn and Matplotlib to monitor and optimize model performance

## Projects

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**GradHelp** | *Javascript, Python, React, FastAPI, MongoDB, TailwindCSS, ML*

April 2022 - June 2022

- Developed a ML application using React.js, FastAPI, and MongoDB to predict university admission chances
- Trained a Support Vector Classifier (SVC), achieving 85% accuracy on admission predictions
- Processed and cleaned data from 500+ student profiles for model training and evaluation
- Built a Keras-based neural network to provide personalized university recommendations

**CryptoPlace** | *JavaScript, Python, Next.js, TailwindCSS, Flask, Redis, ML*

January 2022 - March 2022

- Built an ML-powered Next.js app using LSTMs for cryptocurrency price prediction, improving accuracy by 10%
- Designed an NLP pipeline for real-time sentiment analysis of 50+ cryptocurrencies using the Twitter API

**Concord Video Chat** | *JavaScript, React, Node.js, Firebase, SASS, WebRTC*

June 2021 - November 2021

- Engineered a real-time video chat application using React and Redux for matching users based on interests
- Integrated Firebase for real-time data management and WebRTC for low-latency video calls
- Optimized Node.js/WebRTC backend, achieving 90% connection reliability for seamless communication