

Sanskar Sharma

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Education

Northeastern University, Khoury College of Computer Sciences

Expected 2026

Master of Science in Computer Science

Boston, MA

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

Jai Hind College

April 2022

Bachelor of Science in Information Technology

Mumbai, India

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

Technical Skills

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

Fourie.ai (by SyncSense) | Software Development Engineer - I

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

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

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

Certifications

IBM Data Science Professional Certificate | Coursera

Deep Learning | NPTEL- IIT Madras

Programming, Data Structures and Algorithms using Python | NPTEL - Chennai Mathematical Institute