

Sharvari Salgaonkar

[Github](#) | +1 (607) 774-7625 | sharvary.salgaonkar27@gmail.com | www.linkedin.com/in/sharvarisalgaonkar

EDUCATION

State University of New York - Binghamton

Aug 2024 - May 2026

Master of Science in Computer Science

Relevant Coursework - Data Structures, Systems programming, Cloud Computing, AI/ML, Design Patterns

Dwarkadas J. Sanghvi College of Engineering, Mumbai, India

Dec 2020 - May 2024

Bachelor of Science in Information Technology with honors in DevOps

TECHNICAL SKILLS

Languages & Frameworks: JavaScript, TypeScript, Python, C++, PHP, SQL, HTML, CSS, React, NodeJS, NextJs

Development & DevOps: AWS, Git, GitHub, Docker, Jenkins, Kubernetes, Terraform, Vs Code, Eclipse, Windows/Linux

Databases: Oracle SQL Developer, MySQL, MongoDB, SQLite, Redis

AI/ML & Data: PyTorch, TensorFlow, HuggingFace, Pandas, Scikit-learn, SpaCy, SciPy, Hadoop, Spark

PROFESSIONAL EXPERIENCE

[Research Assistant](#) | D.J Sanghvi College of Engineering | Mumbai, India

May 2023 - Nov 2023

- Engineered a novel data processing methodology using **Python, SciPy and SpaCy**, enabling 10x faster data analysis compared to the previous manual methods, drastically shortening research cycles
- Enhanced ML model accuracy to 85.7% by optimizing feature engineering and implementing ensemble learning techniques
- Collaborated in an **Agile environment** to develop and deploy scalable solutions, collaborating with **cross-functional teams**

[Software Development Intern](#) | Suvidha Foundation | Mumbai, India

May 2023 - Jul 2023

- Built and maintained customer-facing web applications using **React, TypeScript, and CSS** and optimized UI/UX, improving site performance by **30%**
- Designed and integrated **5+ RESTful APIs with Node.js**, improving client-server communication efficiency by **15%** and used **Docker** to reduce environment-related issues by **60%**
- Optimized **SQL** queries and database structures to improve query performance by **40%** and participated in code reviews

TECHNICAL PROJECTS

MindMusic

Jan 2025 - Mar 2025

- Achieved **90%+ emotion detection accuracy** by integrating custom **text, speech, and facial AI models** using **PyTorch, TensorFlow, and HuggingFace**
- Boosted user engagement **3x** with a cross-platform stack (**React + Django**) and real-time **Spotify integration** for mood-based music recommendations
- Processed **10K+** data points using Pandas, Spark, and Hadoop, enabling emotion insights and model performance visualization

PrepPro

Jan 2025 - Feb 2025

- Enhanced a full-stack job interview preparation platform using **Next.js, TypeScript, Firebase, Tailwind CSS, and Vapi AI**, by enabling real-time, voice based mock interviews
- Integrated **Google Gemini API** to generate interview questions and provide instant AI-driven feedback with detailed transcripts
- Designed and implemented a **responsive dashboard and interview interface**, improving user engagement, accessibility, and cross-device compatibility

Code Diggers

Jun 2024 - Jun 2024

- Pioneered a collaborative platform for developers to connect with projects and contribute to open-source initiatives
- Engineered API integrations with **Axios** for data retrieval, using **MongoDB** as the database, and implemented **Redux** for efficient state management, reducing load times by 40%.
- Implemented **bcrypt.js** for secure **password hashing** and built interactive UIs with **React.js**, enhancing performance and Google Lighthouse scores

PUBLICATIONS

- S. Salgaonkar, N. Gupta, C. Kothari, A. Joshi, "Hypothesis Problem Solving Using Natural Language Processing", 4th IEEE International Conference, 2023 International Conference on Computing, Communication, and Intelligent Systems (ICCCIS), ISBN: 979-8-3503-0611-8

CERTIFICATIONS

J.P Morgan Chase & Co. | Mumbai, India

Jan 2022- Sep 2022

Participated in an intensive, **academic merit-based**, hands-on **Python** workshop, gaining practical experience