

# SHUBHAM VIKAS SONI

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## PROFESSIONAL EXPERIENCE

### Zensar Technologies, Inc.

Software Engineering Intern

Chicago, IL

June 2025 – Present

- **Modernizing** financial applications for **FIS Global** using **Java**, **Spring Boot**, **JWE**, and **Hibernate**. Contributing to secure **API development**, **microservices migration**, and **enterprise-grade backend architecture** in a fintech environment.

### The Research Foundation for SUNY

Software Engineer (Research Assistant)

Buffalo, NY

Feb 2025 – May 2025

- **Engineered** the DART Academy web app by optimizing frontend performance, developing interactive learning modules, and enhancing backend efficiency using **React**, **TypeScript**, **Node.js**, and **AWS**.

### o2h Technology (o2h Discovery)

Senior Software Development Engineer

Ahmedabad, India

Sept 2022 - July 2024

- Created **intuitive and high-performance UIs** for 'Chemistry in the Cloud', a **chemical project management platform** serving **40+** global pharmaceutical and chemical companies, using **React** to optimize functionality and improve workflows.
- **Developed** and **integrated RESTful APIs** using **Node.js** and **Adonis.js**, reducing latency time by **35%** and facilitating seamless server-client communication while **architecting MySQL databases** tailored to specific module requirements and **deploying application modules** on **AWS EC2** with **S3** for secure data storage.
- **Engineered custom higher order components** from scratch, aligning with **FRD** for 'WriteRecruit', a job advert creation web application, utilizing **TypeScript**, **scss**, and **Redux** for robust state management, reducing **50%** code redundancy.
- Led backend API development using **Node.js** and **typeorm**, facilitating functionalities for job advert **data retrieval**, **posting**, **deletion**, and seamlessly integrated into the frontend for a cohesive user experience along with **unit testing** prior to QA resulting in a **27% reduction in production bugs** after deployment.

### Accenture – Strategy and Consulting

Software Engineering Intern

Ahmedabad, India

Jan 2022 - May 2022

- Accelerated creation of dashboards by **developing 4** rapidly **mutable and highly reusable** analytical widgets for an Indian Multinational Telecommunications Company.
- **Designed and implemented** an **Extract, Transform, Load (ETL)** tool within the OLAP domain, automating data warehousing processes. Leveraged **React.js**, **Node.js**, **MySQL**, and **D3.js** to ensure efficient data handling and visualization.

### RedWall Technologies

Web Development Intern

Remote

June 2021 – Aug 2021

- Developed a **full-stack e-commerce platform**, optimizing user experience and driving a **22% increase in client sales** using **React.js**, **Material UI**, **Node.js**, and **MongoDB**.
- Engineered a **scalable, modular architecture**, optimizing APIs for **real-time updates and high-speed processing**, reducing response time by **45%** and enhancing system performance.

## EDUCATION

### University at Buffalo, The State University of New York

Master of Science: Computer Science and Engineering (GPA: 3.59/4)

Buffalo, NY

Aug 2024 – Dec 2025

Relevant Coursework: Analysis of Algorithms, Data Models and Query Languages, Operating Systems, Deep Learning

### Institute of Technology, Nirma University

Bachelor of Technology: Electronics and Communication Engineering with Minor in Computer Engineering

Ahmedabad, India

July 2018 - May 2022

Relevant Coursework: Data Structures, Machine Learning, Communication Networks, Database Management Systems

## TECHNICAL SKILLS

**Languages:** Java, JavaScript, C/C++, HTML, CSS, SQL, Python, PHP

**Other Technologies:** React.js, Next.js, Redux, Typescript, Express.js, Node.js, Material UI, Spring, Spring Boot, MySQL, MongoDB, Jira, Git, Postman, RESTful APIs, AWS, Docker, Linux, PostgreSQL, Keras, PyTorch, SciPy, NumPy, Pandas, D3.js, Hadoop, Vue.js, REST, JSON, AJAX, GraphQL, jQuery, Google Cloud Platform (GCP), Serverless, Pyspark, Angular, Agile Methodology

## PROJECTS

### Ask Nirmaites [React.js, Node.js, Express.js, Redux, Firebase]

- Developed a **full-stack Q&A platform** with **secure email authentication**, allowing students to **post, edit, and delete questions easily**. Designed **scalable backend APIs** using **Node.js** and **Express.js** and built **dynamic React.js frontend components** with **Material UI**, leveraging **Redux** for efficient state management and performance.

### IntelliQuery: AI-Powered Document Chatbot [Python, Streamlit, FAISS, LangChain, HuggingFace, Transformers]

- Built an AI-driven **RAG chatbot** that **extracts answers** from **PDFs and web URLs** using **LangChain** for document parsing and **FAISS** for vector-based retrieval. Integrated **Hugging Face embeddings** and a **fine-tuned transformer model** to generate context-aware responses. Deployed via **Streamlit**, enabling **real-time document querying**, **chatbot interactions**, and **chat history summarization** for seamless knowledge access.

### GeneScope: AI-Powered Cancer Mutation Classification [Python, pandas, numpy, matplotlib, sklearn]

- **Developed** a **machine learning model** to classify **genetic mutations** in cancer patients using **gene, variation, and clinical text data** from a Singapore-based hospital. Applied **response encoding** and mapped data with medical literature to aid personalized cancer treatment, achieving **92%** accuracy with **Logistic Regression**, **kNN**, and **SVM**.