

# HRISHIKESH JANJAL

## Software Engineer

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### Education

#### Stony Brook University

##### *Master of Science in Computer Engineering*

Courses: Practicals of ML & AI, Computer Vision, Deep Learning Algorithms

Aug 2024 - May 2026

GPA: 3.72/4.0

#### Government Engineering College Aurangabad

##### *Bachelor of Science in Information Technology*

Courses: DBMS, Data Structures & Algorithms, Operating Systems

Aug 2016 - Oct 2020

CGPA: 8.45/10

### Work Experience

#### Particle41

##### *Software Developer (Full Stack — Data Engineering)*

Remote (Texas)

Jul 2023 – Jul 2024

- Engineered full-stack applications with Next.js, Tailwind, PostgreSQL, and Python, serving 5K+ daily users and improving workflow efficiency by 30% with Redux Toolkit & React Context.
- Optimized CI/CD pipelines and release processes, reducing deployment time by 20% and improving delivery reliability.
- Implemented testing workflows with Jest & React Testing Library, reaching 93% coverage, lowering production bugs by 28%.
- Launched an admin dashboard with real-time alerts and analytics, reducing internal team workload by 25% approx 10 hours/week saved.
- Orchestrated ETL pipelines on Azure Functions, processing 10K+ daily queries and cutting manual intervention by 40%.
- Collaborated with data analysts to design dashboards in Power BI, improving reporting turnaround by 35%.

#### Reliance Jio Tesseract

Mumbai, India

##### *Full Stack Web Developer*

Sep 2021 – Jun 2023

- Architected scalable web apps with React.js, Node.js, and MongoDB, supporting 10K+ concurrent users and boosting engagement by 50%.
- Implemented REST APIs with Auth0, securely handling 200K+ monthly requests with 99.9% uptime SLA.
- Engineered data pipelines with SQL & Python in Databricks, generating dashboards that shortened analysis cycles by 45% and saved 12 hours/week.
- Enhanced API performance through caching and query optimization, cutting response times by 22%.

#### Tata Consultancy Services (TCS)

Mumbai, India

##### *Assistant Systems Engineer - Frontend Developer*

Jan 2021 – Aug 2021

- Delivered enterprise features for Royal Bank of Canada using AngularJS, ReactJS, HTML5, and Python, accelerating subscription model adoption by 15% and contributing to measurable business growth.

### Projects

#### FinLLM | Python, LLaMA 3, LoRA, Unislot, Generative AI

Dec 2024

- Conducted Fine-tuning of LLaMA 3 (8B Instruct) with LoRA on financial corpora, automating 70% of investment research tasks.
- Integrated real-time market feeds & released the chatbot on Hugging Face Spaces, enabling 24/7 interactive financial insights.

#### Podium Entertainment | Next.js, React, REST APIs, Jest, Azure Functions, ETL

Jul 2023

- Architected an SSR-powered book discovery platform with personalized recommendations, scaling to 100K+ weekly visits and reducing bounce rates by 25%.
- Developed an analytics dashboard with 93% test coverage, while orchestrating ETL pipelines on Azure Functions to automate real-time data ingestion.

#### Developer Console | React, Redux, Redis, Tableau, Azure, GitHub Actions

Sep 2021

- Launched a moderator console with role management and post workflows, improving platform safety metrics by 30% and reducing violation response time by 40%.
- Delivered Redis-backed logging with Tableau dashboards, and streamlined CI/CD pipelines on Azure with GitHub Actions, cutting release cycles by 35%.

### Technical Skills

**Programming Languages:** JavaScript (ES6+), TypeScript, Python, C++, Java, C#

**Frameworks & Libraries:** React.js, Next.js, AngularJS, Redux, Webpack, Jest, React Testing Library

**Databases & Cloud:** PostgreSQL, MongoDB, Firebase, Redis, Prisma, Azure, AWS, Databricks

**Tools & Platforms:** Docker, Git, CI/CD, Linux

### PUBLICATIONS

- Performance of Keras on Indian Traffic Signs Classification and Recognition [Link](#)