

DEV TRIVEDI

trivedidev16@gmail.com | linkedin.com/in/trivedi-dev | github.com/d3v07 | devtrivedi.com | 551-396-7091 | New York City, NY

EDUCATION:

New Jersey Institute of Technology, Ying Wu College of Computing, New Jersey

January 2025 – December 2026

Master of Science in Computer Science (GPA: 4.0)

Relevant Coursework: Operating Systems, Data Structures and Algorithms, Database Management Systems, Cloud Computing, Machine Learning

Jawaharlal Nehru Technological University, Malla Reddy Engineering College, India

November 2020 - July 2024

Bachelor of Technology in Computer Science and Engineering

WORK EXPERIENCE:

Software Engineer : RR Enterprise

July 2024 - December 2024

- Built C++ S3 ingestion pipeline processing 10K records daily, saving \$4K monthly in operations through reduced rework
- Developed React dashboard on AWS Amplify, improving reporting latency by 80% during sprint review workflows cycles
- Designed secure, scalable Node.js APIs on AWS EC2 with Swagger + JWT, boosting the cross-team data access by firm 34%
- Implemented structured logging and health checks with CloudWatch, cutting incident triage from 4 hours to about 45 mins

Software Engineer : Nuance Media

September 2023 - May 2024

- Delivered optimized React applications on Vercel with code-splitting, improving load times by 40% during high traffic
- Reworked complex MongoDB schemas with compound indexes, reducing critical query latency from 400ms to 180ms
- Shipped 20+ production features across Agile sprints, maintaining Jira dashboards and delivery quality with Jest testing
- Automated build and deployment workflows with GitHub Actions for CI/CD, saving \$5.5K quarterly in engineering time

PROJECTS:

PulseOps: (Node.js, Kafka, Redis, Postgres, GraphQL, AWS)

November 2025 – January 2026

- Architected event-driven ingestion via Kafka streams, sustaining sub-second writes at 50K+ events per second consistently
- Engineered Redis-backed aggregates enabling dashboards to answer queries under p95 900ms at peak concurrency levels
- Deployed GraphQL interfaces reducing payload transfer by 62%, accelerating dashboard responsiveness for active users

SpendLens: (TypeScript, Node.js, PostgreSQL, AI/ML, AWS)

October 2025 – December 2025

- Generated AI-driven cost recommendations across 12 services weekly, identifying \$18K+ in annual savings opportunities
- Forecasted 27% cost reduction by simulating infrastructure configurations across retention policies and storage tiers scenarios
- Integrated AI inference pipelines with rule-based safeguards, preventing recommendations across 1K+ anomalous billing

VendorFlow: (MERN, Redis, Background Jobs, Stripe, AWS)

September 2025 – November 2025

- Orchestrated tenant-isolated services for suppliers, agreements, payments, enforcing RBAC authorization across 23 tenants
- Asynchronized billing execution through queue-managed workers, preserving peak responsiveness during 2K+ invoice runs
- Cached high-frequency read paths through in-memory stores, lowering persistence pressure by 40% under concurrent access

SKILLS:

- **Programming Languages:** C++, Python, Java, JavaScript, TypeScript, PL/SQL, Oracle, Unix
- **Tech Stack and Database:** Node.js, Express.js, React.js, REST APIs, HTML5, CSS3, JSON, MongoDB, PostgreSQL, Redis
- **Cloud Platforms:** AWS (EC2, S3, RDS, Lambda, CloudWatch), Azure (VMs, Blob Storage, SQL Database), GCP
- **DevOps & Testing:** Docker, Kubernetes, GitHub Actions, Jenkins, Nginx, Gitlab, Git, GitHub, Postman, Swagger, Jest, Jira

LEADERSHIP EXPERIENCE:

- **Team Lead, Qualcomm AI Hackathon, NYU New York City**

Sept 2025

Spearheaded a 4-member team to build an edge-based computer vision prototype with Qualcomm AI Stack

- **Event Coordinator, NJIT GDG, Newark**

April 2025

Organized coding workshop and peer-learning sessions for 100+ students, fostering collaboration in emerging technologies