




Mann Vora

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Education

Arizona State University

M.S. in Computer Science | GPA: 3.94 / 4

Jan 2024 - Expected Dec 2025

Tempe, AZ

Gujarat Technological University

Bachelors of Engineering in Computer Engineering | GPA: 8.79 / 10

Jul 2019 - Jun 2023

Gujarat, India

Technical Skills

- **Programming Languages:** JavaScript, Typescript, C++, Java, Python, SQL, Bash Scripting, HTML, CSS
- **Frameworks & Libraries:** React.js, Node.js, Matplotlib, Pandas, Numpy, GraphQL
- **Databases:** PostgreSQL, MongoDB, AWS DynamoDB
- **Concepts:** Software Development Life Cycle (SDLC), Agile, Scrum, Test-Driven Development (TDD), OOPS
- **Cloud & DevOps:** AWS, CI/CD, Docker, Kubernetes, Terraform, CloudFormation, Git, Github
- **Performance Tools:** AWS Cloudwatch

Professional Experience

RAFTLABS

Software Developer

Jan 2023 - Nov 2023

Ahmedabad, Gujarat, India

- Architected real-time **data ingestion pipelines** using **Apache Kafka** and **Node.js** to process 50K+ daily orders from 3+ platforms, implementing data validation that improved data accuracy by 99.9% for the GULA project.
- Enabled **data-driven decisions** for **Flash Coffee** and **Domino's Pizza** by integrating Metabase dashboards, reducing late order preparation by 35% through **predictive analytics** and custom **KPI tracking**.
- Designed a rate-limiting system using **Redis** and **token bucket** algorithm, implementing multi-layer caching with CDN integration for TIGERPAY, reducing server load by 25% while handling 1000+ RPS during peak hours.
- Developed a **webhook system** notification system with **Node.js** and **AWS SQS**, achieving a 92% delivery success rate with automated retries using **DLQ**.

TATVASOFT

Software Developer Intern

Jun 2022 - Jul 2022

Anand, Gujarat, India

- Architected a **serverless** solution with **AWS S3** and **DynamoDB**, achieving sub-10ms performance for 1000+ images.
- Automated **CI/CD** pipelines with **GitHub Actions** and **AWS CodeDeploy**, reducing deployment time by 60% and ensuring zero downtime using **blue-green deployments**.
- Optimized **GraphQL** query execution through **query analysis** and **caching**, cutting API latency from 870ms to 200ms.
- Integrated **Stripe** for secure online transactions, processing 10,000+ monthly orders.

Projects

VIDEO TRANSCODER | *React.js, Node.js, AWS*

May 2024 - Jun 2024

- Architected a highly scalable, **serverless video transcoding pipeline** to process up to 10+ user-uploaded videos leveraging AWS services like **S3, Lambda, SQS, ECS, and Docker**.
- Conducted **AWS CloudWatch** performance audits, increasing system throughput by 50% and preventing bottlenecks.
- Implemented a **Dead Letter Queue (DLQ)** for failed video transcodes, which captured errors and diminished manual error handling by 30%, optimizing system robustness.

Credit Card Fraud Detection System | *Pytorch, Numpy, Matplotlib, Python*

Feb 2024 - Apr 2024

- Developed an **SVM-based** credit card fraud detection model with 99.88% accuracy, reducing false positives.
- Applied **PCA** and streamlined **preprocessing**, improving response time by 35% for near real-time detection.
- Boosted fraud recall by 25% through an **ensemble** approach, improving detection of diverse behaviors and outliers.

WANDERLY | *React.js, Express.js, MongoDB, GraphQL*

Aug 2022 - Nov 2022

- Engineered a travel advisory system using **Google Maps API** and Geo-location, reducing user search time for nearby restaurants, hotels, and attractions by 40%, enhancing travel planning efficiency.
- Enhanced user satisfaction by 30% with custom filters for **sorting locations** by type or rating, enabling easy venue selection.
- Incorporated **real-time weather forecasts**, resulting in a 40% increase in user engagement by providing accurate updates.

Certifications and Technical Achievements

- Secured **AIR 378** in **Meta Hacker Cup Round 1**
- Secured **AIR 377** and **AIR 591** in **ICPC Amritapuri** and **Gwalior Pune Regionals, Jun 2020**
- Udemy Certifications: Fundamentals of Backend Engineering, Data Structures and Algorithms, Serverless Apps with AWS