

Mann Vora

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Education

Arizona State University

Masters of Science in Computer Science | GPA: 3.94 / 4

Expected Graduation: 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
- **Frameworks & Libraries:** React.js, Node.js, Matplotlib, Pandas, Numpy, GraphQL, LangChain, PyTorch
- **Databases:** PostgreSQL, MongoDB, AWS DynamoDB
- **Concepts:** Software Development Life Cycle (SDLC), Agile, Test-Driven Development (TDD), OOPS
- **Cloud & DevOps:** AWS, CI/CD, Docker, Kubernetes, Terraform, CloudFormation, Git, Github, AWS Cloudwatch, GCP
- **Certifications:** AWS Certified Cloud Practitioner, Data Structures and Algorithms (Udemy)

Professional Experience

AMAZON

Software Developer Intern

May 2025 - Aug 2025

Seattle, USA

- Architected guided onboarding solution using **React.js**, **Java**, and **AWS DynamoDB**, enabling internal Amazon businesses to complete onboarding to payments in 4 hours (down from 8 weeks) while reducing cross-team dependencies by 95%.
- Built sequential **AWS Lambda** flow with **AWS DynamoDB** to automate payment account creation, business profile updates and routing configuration eliminating 98% of manual effort and reducing processing time to under 30 minutes.
- Built a UI integration testing flow calling Paystation APIs end-to-end, allowing customers to quickly verify onboarding setups and confidently launch new configurations—achieving 3x faster validation and fewer misconfigurations.

RAFTLABS

Software Developer

Jan 2023 - Dec 2023

Ahmedabad, Gujarat, India

- Architected real-time data pipelines using **SQS** and **Node.js**, processing 50K/day orders with robust validation for GULA.
- Enabled data-visualization for Flash Coffee and Domino's Pizza by integrating **Tableau dashboards**, reducing late order preparation by **35%** and saving **\$3K monthly**.
- Led an menu item availability update feature with **AWS Lambda**, **SQS**, and **DynamoDB**, enabling outlets to update the menu from a single app and reducing manual effort by 76% during peak hours.
- Engineered a CSV batch remittance API using **AWS Lambda**, **S3** and **EventBridge** to schedule payments in batch with 99.9999% accuracy.

TATVASOFT

Software Developer Intern

Jun 2022 - Jul 2022

Anand, Gujarat, India

- Architected a **microservice** based e-commerce solution with **AWS S3**, **Java**, **Springboot**, **SQS**, **Lambda** and **Docker** achieving sub-10ms performance for 1000+ images.
- Implemented **zero-downtime deployment** strategy using **haproxy** load balancer and backup **EC2 instances**, reducing release cycles from **15 minutes to 0 minutes** while maintaining **99.999% uptime**.
- Optimized **GraphQL** query execution through **query analysis** and **caching**, cutting API latency from **870ms** to **80ms**.

Projects

VIDEO FACE RECOGNITION | *React.js, Node.js, AWS, PyTorch, OpenCV*

May 2024 - Jun 2024

- Implemented face recognition using **OpenCV**, **ResNet-34 embeddings**, and **Torch**, achieving 97% face detection accuracy.
- Optimized **Lambda deployment** using **Docker slim images**, reducing container size by 50% and ECR costs by 30%.
- Added **Redis** caching with **AWS ElastiCache**, reducing Lambda invocation times by 35% and boosting throughput by 25%.

CREDIT CARD FRAUD DETECTION | *Pytorch, Numpy, Matplotlib, Python*

Feb 2024 - Apr 2024

- Developed a fraud detection model using **PyTorch** and **ensemble learning (Random Forest, XGBoost, and Neural Networks)**, achieving 99.88% accuracy.
- Applied **PCA** and streamlined **preprocessing**, improving response time by 35% for near real-time detection.
- Improved fraud recall by 25% using **Isolation Forest**, **SMOTE**, and **hyperparameter tuning** to detect rare patterns.

SAAS VIDEO SHARING APP | *AWS, Cloudfront, Nextjs, Electron, Express, Socket.io*

Aug 2022 - Nov 2022

- Built real-time video streaming with **WebRTC/MediaStream**, enabling 1080p capture at 700ms latency for 50+ users.
- Optimized video pipeline using **AWS S3** and **CloudFront**, reducing upload-to-playback latency from 12s to 3.5s and cutting storage costs by 25% via dynamic TTLs.
- Built an **Electron.js** desktop app with native device access, slashing setup time by 60%.