

# DEEPALI NAGWADE

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## EDUCATION

### Stevens Institute of Technology

New Jersey, USA

Master of Science, Computer Science | GPA: 3.8 /4.0

Sep 22 - May 24

**Courses:** Web Programming, Agile Methods for Software Development, Software Design, Analysis and Engineering

## TECHNICAL SKILLS

**Languages and Frameworks:** Java, Python, JavaScript, NodeJS, Springboot, NextJs, ReactJS, Redux

**Databases/Cloud:** MySQL, MongoDB, Firebase, AWS (S3, EC2, IAM, Aurora, CloudFront, Kinesis, RDS, DynamoDB), Azure

**DevOps:** Git, Docker, Terraform, CI/CD Pipelines, Jenkins, Kubernetes, IaC

**Development Tools:** JIRA, Confluence, GitHub, GitLab, Excel, VS Code, Postman

**Certifications:** **AWS Certified Solution Architect (ongoing)**, Introduction to Front-end Development (Meta), Graph Developer (Apollo GraphQL), Software Design Patterns (Coursera), Bloomberg Market Concepts (Bloomberg)

## PROFESSIONAL EXPERIENCE

### PWI Works

Indiana, USA

#### Software Developer

Jul 24 - Present

- Developing a Vacations app with Flutter, Dart, and Firebase, centralizing leave management, eliminate reliance on external systems, and automating payroll for 200+ employees, saving HR 15+ hours monthly
- Utilizing Firebase and GCP services like Cloud Run, Pub/Sub, Firestore, and Cloud Functions to drive real-time scalability, automate workflows, and manage secure data processing in the leave management system

### Anuta Networks

Bengaluru, India

#### Software Developer

Jul 21 - Jul 22

- Developed device management microservice in Node.js for a network orchestration system and created scalable, customer-focused APIs supporting millions of concurrent operations with minimal latency
- Designed and implemented a robust CI/CD pipeline with Docker and Jenkins, increasing deployment frequency while reducing failure rates through automated testing and seamless rollbacks
- Optimized the network orchestration system using AWS services like ElastiCache, Lambda, and CloudWatch, enhancing performance by 10% through faster data caching, automated scaling, and proactive monitoring for reduced latency

### Infosys Ltd.

Bengaluru, India

#### Senior Software Engineer

Jun 18 - Jul 21

- Migrated a monolithic platform into a Spring Boot and React driven MVC architecture, enhancing System Modularity
- Designed and implemented robust data migration pipelines using Python, ensuring 99% accuracy across 2M+ product and customer records during the transition
- Analyzed user feedback during the SDLC, leading to UI/UX enhancements that boosted user engagement by 27% across the e-commerce platform
- Leveraged AWS auto-scaling to optimize application resources and migrated the system from Oracle to DynamoDB, which resulted in a 20% reduction in database related delays hence improving system performance
- Optimized product search using Solr, and integrated the ELK stack for real-time log analysis and monitoring, enhancing operational efficiency and accelerating issue resolution by 32% for production support team

## ACADEMIC PROJECTS

### Streamlytics: Content Streaming and Analytics

May 24 - Present

- Developed a Netflix-like content streaming platform on AWS using Spring Boot and GraphQL, tested with simulated traffic to handle real-time personalized recommendations and process 1M+ user interactions daily
- Leveraged Amazon MSK for streaming large data and Lambda for automated content ingestion, achieving 40% faster content delivery

### All Football : European football live statistics

Oct 23 - Nov 23

- Developed a high-performance FotMob app clone using React and a custom GraphQL backend, enabling real-time football (soccer) updates and supporting over 1000 concurrent users with seamless data integration
- Deployed the application on AWS utilizing load balancing, auto-scaling, achieving high reliability, and 99.5% uptime.

### YASMP: Yet Another Social Media Platform

Oct 22 - Dec 22

- Designed a MERN stack Instagram clone, with 2 extra features: Mood Based Content Filtering and Flag inappropriate content
- Performed container orchestration with Kubernetes, integrated Apache Kafka and Redis for messaging and caching improved 30% operation efficiency managing over 5,000 active user connections