Vinit Yadav

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EDUCATION

Northeastern University   **Boston, MA**
Master of Science, Information Systems (GPA: 3.7/4.0)   **Jan 2023 – May 2025**
- Courses: Software Engineering, Network Structures & Cloud Computing, Web Development & User Experience, Design Patterns

University of Mumbai   **Mumbai, India**
Bachelor of Engineering, Computer Engineering (GPA: 8.2/10)   **Aug 2018 – May 2022**
- Courses: Data Structures and Algorithms, Object Oriented Programming, Database Management, Machine Learning

PROFESSIONAL EXPERIENCE

Commonwealth Financial Network | *Software Engineer Co-op*   **Jul 2024 – Dec 2024**
- Migrated 87 advisor websites from Drupal to FMG Suite CMS by developing custom templates and reusable content modules, accelerating project-wide rollout of 842 sites
- Enabled marketing insights by implementing Google Analytics 4 (GA4) tracking on 80+ advisor websites, improving data capture of user behavior and engagement patterns
- Diagnosed and fixed accessibility issues using axe, WAVE, and manual testing, achieving WCAG/ADA compliance across high-traffic sites and enhancing digital access for over 10,000 users
- Improved site performance and responsiveness across devices by auditing 54 websites with Lighthouse and Chrome DevTools, identifying and fixing load-time bottlenecks

Ram LLC | *Full Stack Developer*   **May 2022 – Dec 2022**
- Optimized backend RESTful API endpoints in a logistics SaaS platform built with Java (Spring Boot) by restructuring SQL queries and adding database indexes, cutting average response time by up to 50% in production
- Refactored authentication from JWT to OAuth 2.0 in Spring Boot microservices, enhancing security posture and reducing login-related support tickets across client-facing modules
- Built and modularized reusable UI components using React and TypeScript for 15+ operational dashboards and internal workflows, accelerating development
- Initiated a proof of concept for CI/CD automation using Jenkins and Docker, then scaled it to deploy Java microservices on AWS EC2, reducing deployment time by 70% and increasing release reliability

Ram LLC | *Web Development Intern*   **Jul 2021 – Apr 2022**
- Developed 5+ responsive e-commerce sites with Node.js and Firebase, enabling real-time data sync, authentication, and seamless checkout experiences across devices
- Translated Figma and Adobe XD designs into production-ready UI through close collaboration with designers, reducing rework by 25% and ensuring pixel-perfect responsiveness across devices
- Improved website performance through JavaScript optimizations, asset compression, lazy loading and accessibility enhancements

TECHNICAL SKILLS

- **Programming Languages:** JavaScript, Java, TypeScript, Python, C#
- **Web Technologies:** React.js, Node.js, Angular, Jest, Mocha, Cypress, Selenium, Webpack, Babel, Vite
- **Framework/Architecture:** Express.js, Next.js, TailwindCSS, Bootstrap, REST APIs, Spring Boot, .Net Core, GraphQL
- **Databases:** SQL (PostgreSQL, MySQL), NoSQL (MongoDB, Redis, DynamoDB)
- **DevOps & CI/CD:** Docker, Kubernetes, Jenkins, GitHub Actions, Firebase, Terraform, Packer
- **Cloud Technologies:** AWS (EKS, ECS, Lambda, EC2, S3, RDS, API Gateway, Route53, CloudWatch), Azure, GCP
- **Software/Tools:** Shell Scripting, Postman, GitHub, VS Code, Eclipse, IntelliJ, NetBeans

PROJECTS

ICE Tracker (CivicHacks 2025 Hackathon) | *ReactJS, Supabase, Mapbox, Python |*   **Feb 2025**
- Embedded an AI chatbot using OpenAI API for instant immigration assistance, reducing agent load and enabling support availability
- Introduced an automated FAQs voice call system using Twilio and OpenAI API, providing 24/7 support

Insurance Plan Finder | *Elasticsearch, Kibana, RabbitMQ, GraphQL, Redis |*   **Mar 2024**
- Engineered a Node.js application to manage health insurance plans, allowing CRUD operations via GraphQL APIs
- Leveraged Elasticsearch to improve search relevance & RabbitMQ for async syncing between services, reducing API response latency
- Cached frequent queries with Redis, reducing API response times by 30%

Assignment Management Application | *AWS, GCP, TypeScript, Pulumi, Packer, Jest, Mailgun |*   **Nov 2023**
- Provisioned cloud infrastructure on AWS using Pulumi (AWS Lambda, S3, API Gateway), cutting deployment time by 50%
- Automated AMI creation using Packer for faster and scalable EC2 spin-ups with installed dependencies and monitoring tools
- Designed and tested 4 REST endpoints to manage assignment data and integrated Mailgun for email notifications

GrubBites | *React, Nodejs, Express.js, MongoDB, Stripe API, JWT, Jest |*   **Aug 2023**
- Designed and implemented RESTful APIs for orders, menus, and users with Express.js and MongoDB, optimizing queries
- Authored Jest tests for auth & orders, boosting test coverage to 85% and minimizing production issues
- Integrated Stripe for secure payments and real-time order confirmation, streamlining checkout experience for end users