

# Ashish Tiwari

Full Stack Software Engineer | Java / SpringBoot / React / NodeJS Developer | MS degree in Computer Science  
📞 714-686-9164    ✉ ashishtiwari.b@gmail.com    in LinkedIn    🐙 GitHub    📁 Portfolio    📍 Mountain View, CA

## EDUCATION

### Master of Science: Computer Science

California State University, Fullerton, CA (GPA: 3.77)

Aug 2022 – May 2024

## TECHNICAL SKILLS

**Programming Languages:** Java, JavaScript, TypeScript, PHP, Python, Go

**Frontend Technologies:** Angular, React, Redux, Next.js, Vue.js, jQuery, Ajax, HTML5, CSS3, Bootstrap, Tailwind CSS

**Backend Technologies:** Node.js, Express.js, NestJS, Spring, SpringBoot, Hibernate, Flask, Django, GraphQL, REST API

**Databases & Storage:** Oracle, MySQL, PostgreSQL, MongoDB, Redis, AWS EC2, DynamoDB, S3, Kafka, RabbitMQ

**Development Tools:** IntelliJ, VSCode, JUnit, Jest, Postman, Git, GitHub, Jenkins, Docker, Kubernetes, AWS, GCP

## WORK EXPERIENCE

### Web Application Developer

California State University, Fullerton

Jan 2023 – Apr 2024

- Managed and maintained the university's website and student portal, ensuring high availability, optimal performance, reliable accessibility, and an intuitive, seamless user experience.

### Senior Software Engineer

Ntier Infotech, Indore, India

Jun 2016 – May 2021

- Designed and developed high-performance software and web applications, building scalable backends and interactive frontends to enhance usability, responsiveness, and efficiency.
- Engineered and optimized microservices and RESTful APIs, improving data flow, reducing latency by 30%, and refining legacy systems to boost UX and increase site traffic.
- Deployed cloud-native solutions on AWS and GCP, optimizing scalability and cost efficiency. Designed and managed databases with MySQL, PostgreSQL, and MongoDB for secure, high-performance storage.
- Automated CI/CD pipelines with GitHub Actions, Docker, and Kubernetes, streamlining deployments, improving reliability by 50%, and accelerating software delivery cycles.
- Integrated Kafka, RabbitMQ, and Redis for event-driven architecture, ensuring fault-tolerant messaging, efficient caching, asynchronous processing, and 40% faster system response times.
- Implemented authentication and security measures such as OAuth2, JWT, and role-based access control (RBAC), ensuring data integrity and compliance with industry security standards.
- Collaborated with cross-functional teams to architect full-stack solutions, ensuring seamless integration between front-end and back-end systems for enhanced functionality and maintainability.

### Software Engineer Intern

Google Summer of Code

Apr 2016 – Aug 2016

- Enhanced Cytoscape's data analysis capabilities by creating a custom compiler with SQL-like queries. Improved command-line interface with features like variable substitution, decision-making, looping, and autocomplete.

## PERSONAL PROJECTS

**E-Commerce Website:** Developed a feature-rich e-commerce platform with secure Stripe API payment processing, real-time inventory updates, and order tracking. The platform includes a dynamic product catalog, shopping cart, and seamless checkout process, offering a smooth user experience across all devices.

*Technologies:* React, Redux, Node.js, Express.js, MongoDB, Docker, REST APIs, Stripe API

🔗 *GitHub:* ShopSync

**E-Learning Platform:** Developed an interactive e-learning platform featuring intuitive dashboards, detailed course pages, and engaging quizzes, discussion forums, real-time progress tracking, and personalized notifications to enhance user engagement. Built with a scalable backend to handle high user traffic and ensure smooth content delivery.

*Technologies:* Java, Spring Boot, Angular, Material UI, MySQL, RabbitMQ, REST APIs

🔗 *GitHub:* LearnLink

**Collaborative Workspace Application:** Developed a collaborative workspace platform to boost team productivity with real-time task management, document editing, and integrated messaging for seamless communication.

*Technologies:* Java, Spring Boot, React, TypeScript, PostgreSQL, WebSockets, Kafka, AWS

🔗 *GitHub:* Prioritize