

Gudipudi Sasanka Abhinav

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EDUCATION

International Institute of Information Technology (IIIT) Naya Raipur
Bachelor of Technology in Data Science & Artificial Intelligence – CGPA: 7.63/10

Aug 2023 – May 2027
Naya Raipur, India

TECHNICAL SKILLS

Languages: Java, Python

Backend: Spring Boot, Spring Security, Hibernate

Cloud & DevOps: AWS, Docker, Terraform, CI/CD, GitHub Actions, Git, Linux

Databases & Caching: PostgreSQL, Redis

Frontend: React.js, WebSocket (STOMP/SockJS)

Security: OAuth 2.0, JWT, RBAC

CERTIFICATIONS

AWS Certified Cloud Practitioner (CLF-C02): Amazon Web Services (AWS)

Credential Verification

EXPERIENCE

PrimeVacations

Oct. 2025 – Dec. 2025

Full Stack Intern

Remote

- Engineered a scalable media pipeline using **AWS S3 pre-signed URLs** and MongoDB to manage assets for **100+ travel packages**, avoiding database bloat and improving rendering to **sub-400ms**.
- Developed an AI-powered itinerary engine using **Groq API** to convert raw travel text into structured JSON, reducing manual itinerary entry by **30–40%**.
- Implemented concurrent AI extraction with **Promise.all**, **JSON Schema** formatting, and **Zod** validation for type-safe, fault-tolerant API responses.
- Integrated backend APIs with a **Next.js** frontend, adding client-side image compression and mapping validated AI data into package builder forms.

PROJECTS

CodeDuels | *Java, Spring Boot, AWS, Docker, Terraform, Redis, PostgreSQL, SQS*

GitHub | Live | Video Demo

- Built a real-time 1v1 coding platform serving **2,000+ users** and **2,500+ matches**, with matchmaking, Monaco editor, WebSocket updates, and Judge0 execution.
- Designed async submission and Codeforces tracking pipelines using **AWS SQS**, preventing Judge0 and external API calls from blocking backend requests.
- Deployed Spring Boot services on **AWS ECS Fargate** behind an ALB, using **RDS PostgreSQL** and **ElastiCache Redis** for persistence and live match state.
- Defined **54 AWS resources** with **Terraform**, covering VPC, ECS, SQS, RDS, ElastiCache, S3, CloudFront, Lambda, IAM, and CloudWatch.
- Configured **3 GitHub Actions pipelines** for frontend, main backend, and Sentinel service, automating tests, Docker builds, ECR pushes, and ECS deployments.

CommerceCore | *Spring Boot, PostgreSQL, Apache Kafka, Docker, Keycloak, Redis, React.js*

GitHub

- Architected modular **microservices** for products, users, orders, reviews, and cart with independent deployability.
- Implemented an **Event-Driven Architecture** using **Kafka** in KRaft mode for asynchronous workflows.
- Applied **Resilience4j** CircuitBreaker, Retry, and RateLimiter patterns for system reliability.
- Integrated **Keycloak** with OAuth2 and JWT, including custom email templates for user actions.
- Reduced DB load through **Redis caching** for product metadata.

LeetCode GIF Reactions | *React, TypeScript, Vite, Manifest V3*

GitHub | Live

- Built a **Manifest V3 Chrome extension** that detects LeetCode “Accepted” submissions and injects a dismissible GIF overlay.
- Added popup-based GIF customization with **chrome.storage.sync**, reaching **100+ installs** and a **5-star Chrome Web Store rating**.

ACHIEVEMENTS

LeetCode: Max Rating **1881**. Global Rank **613** in Biweekly 167 and **1044** in Biweekly 170.

Codeforces: Max Rating **1516** (Specialist). Rank **995** in Round 1095 Div2.

Problem Solving: Solved **1200+** algorithmic and data structure problems across LeetCode, Codeforces, and CSES.