

AADITYA RAJ

Backend Developer | Java | Spring Boot | AWS

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EDUCATION

Vellore Institute of Technology	2022 – 2026
B.Tech - Computer Science and Engineering - CGPA - 8.77	
Trident Public School, Muzaffarpur, Bihar	2019 – 2021
Central Board of Secondary Education(Class XII) - Percentage - 85.6	
Anand Prep Public School, Muzaffarpur, Bihar	2018 – 2019
Central Board of Secondary Education(Class X) - Percentage - 90.8	

PROJECTS

Linklytics - URL Shortener Website ↗ Java, Spring Boot, React, PostgreSQL, Docker	2025
• Developed a full-stack URL shortening application using Spring Boot, React, and PostgreSQL, implementing RESTful APIs, JWT authentication to manage user sessions and secure API endpoints.	
• Optimized database performance using Spring Data JPA and Hibernate, designing indexed PostgreSQL schemas to handle high-volume URL lookups with 200ms query response time.	
• Containerized the backend using Docker and deployed on Render, with the frontend hosted on Netlify for seamless integration and consistent cross-origin communication.	
AI-Powered Email Reply Assistant ↗ Java, Spring Boot, React, Spring AI, Docker	2025
• Developed an AI-powered email reply system that reduced average response time by 80% and improved email handling efficiency by 2.5x .	
• Built a responsive React UI supporting 3 different business contexts and processed over 1,000 sample emails.	
• Deployed full-stack solution with 200ms API response time using Render (backend) and Netlify (frontend).	
Student Management System ↗ Java, Spring Boot, MySQL, Spring Data JPA, Thymeleaf, Docker	2025
• Engineered a full-stack web application, implementing MVC architecture with controller, repository, and service layer patterns for efficient data management and user interaction, supporting 1000+ users.	
• Utilized Spring Data JPA and Hibernate ORM for database operations with entity mapping and integrated remote MySQL database with SSL connection.	
• Dockerized the application with multi-stage builds, published to Docker Hub, and published to Render.	

TECHNICAL SKILLS

- Languages:** C/C++, Java, SQL
- Technologies/Frameworks:** Spring Core, Spring Boot, Hibernate, REST API, React, Tailwind
- Databases:** MySQL, PostgreSQL, MongoDB, RDS, DynamoDB
- Cloud Technologies:** AWS(EC2, S3, IAM, RDS, EKS, ECS, Route 53), Docker, Terraform
- Developer Tools:** Maven, Git, GitHub, Postman

ACHIEVEMENTS

- Achieved a peak rating of **1844** on LeetCode and **779** on Codeforces, placing in the top **6%** globally on LeetCode.
- Participated with a team in Amazon HackOn (Season 5), worked on backend part, reaching the Semi-Final round.
- Recognized as the top coder on the Neo PAT Portal across all four campuses of VIT.
- Contributed to open-source projects through GirlScript Summer of Code (GSSoC) 2024, gaining exposure to production-level codebases.

CERTIFICATIONS

- MongoDB Certified Associate Database Administrator • AWS Academy Cloud Foundations
- Microsoft Azure Data Fundamentals(DP-900) • GitHub Foundations