

AADITYA RAJ

Backend Developer | Java | Spring Boot | AWS

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EDUCATION

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

PROJECTS

Linklytics - URL Shortener Website 📄 Java, Spring Boot, React, PostgreSQL, Docker	2025
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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-Finale 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