

# AADITYA RAJ

Backend Developer | Java | Spring Boot | AWS

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## SUMMARY

Aspiring **Backend Developer** with a strong foundation in **Java, Spring Boot, RESTful API and Cloud Computing**. Develops and deploys full-stack web applications using **React, Spring Boot**, and **AWS** (EC2, S3, RDS). Uses **Docker, Maven**, and **Git** for containerization, build automation, and version control. Solves complex backend problems with a focus on clean code and efficient API design. Currently pursuing B.Tech in Computer Science and Engineering at VIT Bhopal, seeking opportunities in backend or cloud-based development.

## EDUCATION

**Vellore Institute of Technology** 2022 – 2026

*B.Tech - Computer Science and Engineering - CGPA - 8.74*

**Trident Public School, Muzaffarpur, Bihar** 2019 – 2021

*Central Board of Secondary Education(XII) - Percentage - 85.6*

**Anand Prep Public School, Muzaffarpur, Bihar** 2017 – 2019

*Central Board of Secondary Education(X) - Percentage - 90.8*

## PROJECTS

**URL Shortener Website** 📄 — Java, Spring Boot, React, PostgreSQL, Material UI 2025

- Developed 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, Material UI 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 UI (React + Material 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).

## TECHNICAL SKILLS

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

## ACHIEVEMENTS

- Achieved a peak rating of **1844** on LeetCode, placing in the top **6%** globally.
- Participated and selected for **HackOn With Amazon – Season 5**, advanced till the **Idea Submission Round** under the **Sustainability** theme.
- Solved **500+** DSA Problems across all Coding Platforms.
- Recognized as the top coder on the **Neo PAT Portal** across all four campuses of VIT.

## CERTIFICATIONS

- MongoDB Certified Associate Database Administrator
- AWS Academy Cloud Foundations
- Microsoft Azure Data Fundamentals(DP-900)
- AWS Academy Cloud Architecting
- Postman API Fundamentals Student Expert
- GitHub Foundations