

# 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

<b>Vellore Institute of Technology</b>	<b>2022 – 2026</b>
<i>B.Tech - Computer Science and Engineering - CGPA - 8.77</i>	
<b>Trident Public School, Muzaffarpur, Bihar</b>	<b>2019 – 2021</b>
<i>Central Board of Secondary Education(XII) - Percentage - 85.6</i>	
<b>Anand Prep Public School, Muzaffarpur, Bihar</b>	<b>2017 – 2019</b>
<i>Central Board of Secondary Education(X) - Percentage - 90.8</i>	

## PROJECTS

<b>URL Shortener Website</b> ↗ — Java, Spring Boot, React, PostgreSQL, Material UI	<b>2025</b>
• Developed full-stack URL shortening application using <b>Spring Boot, React, and PostgreSQL</b> , implementing RESTful APIs, JWT authentication to manage user sessions and secure API endpoints.	
• Optimized database performance using <b>Spring Data JPA</b> and <b>Hibernate</b> , designing indexed PostgreSQL schemas to handle high-volume URL lookups with 200ms query response time.	
• Containerized the backend using <b>Docker</b> and deployed on <b>Render</b> , with the frontend hosted on <b>Netlify</b> for seamless integration and consistent cross-origin communication.	
<b>AI-Powered Email Reply Assistant</b> ↗ — Java, Spring Boot, React, Spring AI, Material UI	<b>2025</b>
• Developed an AI-powered email reply system that reduced average response time by <b>80%</b> and improved email handling efficiency by <b>2.5x</b> .	
• Built a responsive UI (React + Material UI) supporting <b>3</b> different business contexts and processed over <b>1,000</b> sample emails.	
• Deployed full-stack solution with <b>200ms</b> API response time using Render (backend) and Netlify (frontend).	

## TECHNICAL SKILLS

- **Languages:** C/C++, Java, Python, JavaScript, SQL
- **Technologies/Frameworks:** Spring Boot, Hibernate, REST API, JUnit, 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, 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
- Microsoft Azure Data Fundamentals(DP-900)
- Postman API Fundamentals Student Expert
- AWS Academy Cloud Foundations
- AWS Academy Cloud Architecting
- GitHub Foundations