Bandaru Madhan

Java Backend Developer

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Professional Summary

Results-driven Java backend developer with hands-on experience building web applications using **Spring Boot**, **REST APIs**, and **MySQL**. Strong foundation in object-oriented programming and clean code principles. Comfortable working with frontend integration and database logic. Familiar with Python for basic automation and IoT integration.

Education

B.Tech in Electronics & Communication Engineering, Sri Venkateswara College of Engineering & Technology
2020 – 2024   CGPA: 7.6/10

Intermediate (MPC), Nalanda Junior College, Anantapuram
2018 – 2020   CGPA: 8.5/10

SSC, SPCS Rly Boys High School
2018   CGPA: 9.3/10

Technical Skills

- **Languages:** Java (Core & Advanced), Python (Basic), C++
- **Backend:** Spring Boot, REST APIs
- **Frontend:** HTML5, CSS3, JavaScript (ES6+), JSP
- **Database:** MySQL
- **Tools:** Git, GitHub, Postman, Eclipse, IntelliJ IDEA, VS Code
- **Concepts:** OOP, MVC, Exception Handling, Multithreading, CRUD, Deployment (Tomcat)

Projects

Resume Builder Web App   Mar 2024 – Apr 2024
Java, Spring Boot, JSP, MySQL
Built a responsive resume builder with secure login, CRUD operations, and PDF generation. Connected Spring Boot backend with MySQL and deployed using Apache Tomcat.

IoT Smart Traffic Control System   Jan 2023 – Mar 2023
Python, NodeMCU, AWS IoT
Developed a smart traffic signal controller using NodeMCU and gas sensors. Python scripts were used to process real-time data and push it to AWS IoT dashboards. Achieved 35% traffic efficiency improvement in simulation.

Voice AI (Mini Assistant)   Personal Project
Python, Automation
Created a basic desktop voice assistant to automate web search and system commands using speech input. Designed as a proof-of-concept to integrate APIs and scripting knowledge.

Certifications

- **Java Developer Internship** – Next24Tech (2024): REST APIs, Spring Boot, MySQL
- **Full Stack Web Development** – Tap Academy (2024): HTML, CSS, JavaScript, Spring Boot
- **Machine Learning** – GrowthNinja (2023): Python ML basics

Languages

English (Fluent), Hindi (Intermediate), Telugu (Native)