

# VISHNUVARDHAN MANCHALA

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## Profile

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Self-motivated and detail-oriented Java developer with a strong foundation in Core Java, Servlets, Spring Boot, and backend development. Skilled in designing and building scalable full-stack applications and integrating RESTful APIs. Proficient in working with relational databases such as SQL and MySQL. Familiar with Python and Flask for lightweight API development. Demonstrates a solid understanding of system development practices, debugging, and clean coding standards. Eager to contribute to dynamic development teams and build impactful software solutions.

## Education

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| Sep 2021 – Aug 2024 | <b>Bachelor of Technology in Electronics and Communication Engineering with CGPA 6.69</b><br><i>Vaageswari College of Engineering, Karimnagar, India</i> 📍 |
| Jun 2018 – Jul 2021 | <b>Diploma in Electronics and Communication Engineering with CGPA 7.58</b><br><i>Vaageswari College of Engineering, Karimnagar, India</i> 📍                |
| Jun 2017 – Apr 2018 | <b>Secondary School Certificate with CGPA 7.8</b><br><i>Zilla Parishad High School, Gattubuthkur, India</i> 📍  |

## Skills

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### Languages

- Java,
- Python (basic),
- JavaScript (basic),
- HTML,
- CSS

### Database

- SQL,
- MYSQL

### Concepts

- OOP,
- MVC,
- RESTful APIs,
- Debugging,
- Code Optimization,
- Webhooks

### Backend Technologies

- Servlets,
- JSP,
- JDBC,
- Spring Framework,
- Spring Boot,
- Hibernate,
- Flask

### Tools & IDEs

- Eclipse IDE,
- Spring Tool Suite (STS),
- Visual Studio Code (VS Code),
- Cursor IDE,
- Git,
- GitHub,
- Postman

### Automation/CI

- GitHub Actions (basic),
- Shell scripting (basic)

## Certificates

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### Software Engineering Job Simulation [↗](#)

Completed the J.P. Morgan Software Engineering Virtual Experience Program on Forage, gaining hands-on exposure to tasks such as interface building, data visualization, and secure feature implementation using industry-relevant tools and best practices.

### GenAI Powered Data Analytics Job Simulation [↗](#)

Completed a Generative AI Virtual Experience Program, gaining hands-on exposure to tasks such as prompt engineering, model fine-tuning, and ethical AI application using industry-relevant tools and frameworks. Developed an understanding of LLMs, AI-driven content generation, and real-world GenAI use cases in business solutions.

## Projects

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### GitHub Webhook Receiver Dashboard (Full-Stack Project) [↗](#)

*Technologies Used: Python (Flask), MongoDB, HTML, CSS, JavaScript*

- Developed a full-stack application that receives and processes GitHub Webhook events (Push, Pull Request, Merge).
- Backend built using **Python Flask** with MongoDB to handle, parse, and store incoming GitHub payloads.
- Designed a responsive frontend dashboard that polls the backend every 15 seconds to display live GitHub activity.
- Implemented webhook integration, real-time event rendering, and a clean UI to visualize commit and PR logs.
- Demonstrated strong skills in Python API development, database schema design, and full-stack integration.

### ChatFusion – AI Chatbot using Java Servlet & Gemini API [↗](#)

*Technologies Used: Java Servlets, Gemini API, HTML, CSS, JavaScript*

- Created a web-based AI chatbot using Java Servlets integrated with Google's Gemini API for real-time response generation.
- Built an interactive frontend with HTML, CSS, and JavaScript to support live chat functionality.
- Gained hands-on experience with API integration, servlet handling, and basic full-stack web development.

### Event Ticket Reservation System (Console-Based) [↗](#)

*Technologies Used: Core Java, Console I/O*

- Built a ticket booking app with user login using mobile number and password
- Enabled event selection with dynamic pricing and bulk discounts
- Displayed total cost and provided instant booking confirmation
- Included option to continue booking or exit after each transaction