Pavan Kumar Purnayya Mangina

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SUMMARY

Motivated **Full Stack Java Developer** and **AI enthusiast** with hands-on experience building responsive web applications using **Spring Boot, Java, JavaScript, HTML, CSS, and MySQL**. Skilled in designing and consuming **RESTful APIs**, implementing scalable backend logic, and creating user-friendly interfaces. Certified in **Microsoft Azure AI-900** and **Oracle Java**, with strong problem-solving skills, a solid academic background in **Computer Science (AI)**, and a focus on applying technology to real-world problems. Seeking an entry-level opportunity as a **Java / Full Stack Developer** to contribute to impactful software solutions.

EDUCATION

- **Sri Vasavi Engineering College** — Andhra Pradesh, India
  B.Tech in Computer Science (Artificial Intelligence) (79%) — 2022 – 2026
- **Sri Venkateswara Jr College** — Andhra Pradesh, India
  Intermediate (XII) (89%) — 2020 – 2022
- **KIDS E.M School** — Andhra Pradesh, India
  SSC (X) (79%) — 2020

SKILLS

- **Programming**: Java, C, JavaScript, HTML, CSS
- **Frameworks & Tools**: Spring Boot, Git, Postman, DOM Manipulation
- **Databases**: MySQL (schema design, CRUD operations, joins, basic query optimization)
- **Core Concepts**: Object-Oriented Programming, RESTful APIs, Full Stack Development, Responsive Web Design
- **Problem Solving & Soft Skills**: Problem Solving, Communication, Team Collaboration, Time Management, Self-Learning

PROJECTS

- **Job Search Platform** (Spring Boot & MySQL): Developed a full-stack job portal using **Spring Boot** and **MySQL** to manage and display **200+ job listings** with real-time search and filtering.
  - **Backend APIs**: Designed and implemented **RESTful APIs** for job creation, updating, deletion, and retrieval with filtering and pagination.
  - **Performance**: Optimized database queries to **reduce job search time by 50%** using efficient pagination and query parameters.
  - **Frontend Responsiveness**: Created a responsive interface using **HTML, CSS, and basic JavaScript**, ensuring smooth usability on mobile, tablet, and desktop.
  - **User Experience**: Improved layout and navigation to increase user engagement by focusing on clean design and intuitive filters.

- **Task Management System** (HTML, CSS, JavaScript): Built a browser-based task manager application to help users organize personal tasks with persistent storage and intuitive controls.
  - **Task Features**: Implemented features for **adding, editing, deleting, and marking tasks** with clear visual separation of task states.
  - **Data Persistence**: Configured **localStorage** to achieve **100% data persistence** across browser sessions and page reloads.
  - **Efficiency**: Managed over **50 tasks per session** with smooth filtering and status-based task views using **DOM manipulation**.
  - **User Interface**: Designed a simple and clean UI using **CSS** to keep the focus on productivity and ease of use.

CERTIFICATIONS

- **Microsoft Azure AI-900 Certified**: Gained foundational understanding of **AI workloads, ML models, NLP, and Computer Vision** using Azure AI services and Azure ML Studio, along with principles of **Responsible AI**.
- **Oracle Certified Professional**: Validated skills in **Java-based application development**, OOP concepts, exception handling, collections, and basic database integration.
- **NPTEL — Cloud Computing and Distributed Systems**: Completed an **8-week course** with around **90% average** in assignments, covering virtualization, distributed computing, and scalable cloud architectures.

TECHNICAL DEVELOPMENT & ACTIVITIES

- **Java & Spring Boot Practice**: Completed **20+ hours** of hands-on practice in **Java** and **Spring Boot** through YouTube tutorials and NPTEL content, focusing on building REST APIs and small full-stack applications.
- **Data Structures & Algorithms**: Solve DSA problems regularly on **LeetCode** and **HackerRank** to strengthen problem-solving and coding efficiency.
- **Self-Learning in AI & Web**: Actively explore new **web technologies** and **AI tools**, experimenting with small practice projects and prototypes.

INTERESTS

- **Technology**: Exploring modern web development practices, full stack frameworks, and AI-based solutions.
- **Personal**: Listening to music to relax and refocus, and learning new concepts through online resources and tutorials.