Parveen Kumar

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Email | Github | Linkedin | LeetCode | Portfolio

Summary

Aspiring Software Engineer with strong foundations in Java (OOP, Data Structures) and Python, and hands-on experience in front-end web development. Skilled in writing clean, maintainable code and building modular applications. Actively preparing for Java-centric and backend-oriented software engineering roles through structured coursework, personal projects, and consistent problem-solving practice.

Education

B.Tech in Computer Science & Engineering (LEET) MDU, Rohtak | 2024 – 2027 — Current CGPA / Percentage: 70.5%

Diploma in Computer Science | C.R. Polytechnic, Rohtak | 2021 – 2024 — Percentage: 64.52%

Class X | Board: CBSE | 2021 — Percentage: 98.6%

Experience

IBM SkillBuild Program - AI & Python Developer **12/06/2023 - 24/07/2023**

- **Mental Fitness Tracker:**
  - Developed a Mental Fitness Tracker using Python in Jupyter Notebook as part of an AI-focused internship.
  - Worked with spreadsheet-based datasets to generate visual insights and charts.
  - Gained exposure to AI fundamentals, evolution of AI systems, and enterprise-level AI applications.

Personal Projects

- **SyncPad — Web-Based Productivity Workspace: (Front-End)** Source Code | Live Demo
  Designed and developed a single-page front-end web application that integrates rich text editing and canvas-based drawing within a unified interface. Implemented synchronized light and dark modes across both text and canvas components, along with features such as text formatting, image import and stamping, multi-color drawing strokes, and PDF export. Built using HTML, CSS, and JavaScript, the project serves as a lightweight, temporary documentation and ideation tool, focusing on usability, UI consistency, and clean front-end architecture without relying on a backend or database.

- **Zoo Management System (Java, Command-Line Application):** Source Code
  Designed and developed a Java-based command-line application to model zoo animals using core Object-Oriented Programming principles. The system is centered around an abstract Animal class with concrete implementations (Tiger, Penguin, Dolphin) and behavior-driven interfaces (Walk, Swim, Eat) to represent real-world animal actions. Implemented file handling to persist animal activity data, reinforcing practical understanding of Java I/O and exception handling. This project was completed as part of a structured coursework exercise, highlighting clean code practices, modular design, and strong fundamentals in Java.

- **Personal Portfolio Website:** Source Code | Live Demo
  Developed a responsive personal portfolio website to showcase projects, skills, and technical background. Designed and structured all sections independently, focusing on clean UI, clarity, and usability across devices.

Technical Skills (Hard Skills)

Programming Languages:

- Java (OOP, core concepts; DSA in progress)
- Python (scripting, data handling,)
- JavaScript (frontend development)

Web & Frontend: HTML5, CSS3, JavaScript, Responsive UI development, REST API consumption (frontend)

Frameworks & Tools: Flutter (Dart), React Native

Databases: • MongoDB

Cloud & Platforms: • Amazon Web Services (AWS) – foundational knowledge

Core Computer Science:
• Object-Oriented Programming (Java, Python) • Data Structures & Algorithms • Database Management Systems
• Software Development Life Cycle (SDLC)• Problem Solving

Developer Tools: • Git & GitHub • VS Code, Jupyter Notebook

Currently Learning:
• Data Structures & Algorithms with Java
• Spring Boot fundamentals
• Full-stack development (frontend-focused)
• Applied AI concepts

Leadership & Communication Skills (Soft Skills)

• Mentored peers by simplifying programming concepts and logic
• Experience in one-on-one and small-group technical guidance
• Languages: English (Professional), Hindi (Native), German (Basic)

Achievements

• Completed IBM SkillsBuild (Edunet Foundation) internship in Python and AI
• Built strong foundations in Java through core and advanced coursework
• Selected for Connect Global Open Source Program (2026 cohort)