JADAV PARTHKUMAR PARSOTAMBHAI

B.Tech. - CSE - PIT

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Parul ® University
NAAC A++

BRIEF SUMMARY

Innovative Software Engineer with expertise in Java, full-stack web development, and AI-driven solutions. Passionate about building scalable applications, automating web development with AI, and enhancing user collaboration through metaverse environments. Experienced in designing and implementing banking systems, vehicle service platforms, and security-focused applications. Strong problem-solving skills with regular DSA practice and a deep understanding of system design and microservices architecture. Adept at leveraging AI and cloud technologies to streamline development processes and improve user experience.

KEY EXPERTISE

Programming Languages | Web Development | Database Testing | Data Structures | Algorithms | Machine Learning | Artificial Intelligence | B2B | B2C | Entrepreneurship | Software Development | Software Engineering | Java | Spring MVC | Spring Boot | Java Swing | Teaching | Mentoring

EDUCATION

Parul University — 2022 - 2026
B.Tech. - CSE - PIT | CGPA: **7.62** / **10**

SMT.V.D.N. SHAH SEC. & M.L.PATEL & SMT.D.M.PATEL H.S.SCHOOL, Surat City — 2021
12th | GSEB | Percentage: **72.46** / **100**

P.J.MADHYAMIK VIDHYAMANDIR, Surat City — 2019
10th | GSEB | Percentage: **67** / **100**

PROJECTS

Parallel Filter Implementation for the Active Segmentation platform for ImageJ (ASP/IJ) — 07 Mar, 2025 - 01 Jun, 2025
Mentor: Toeder Milev | **Team Size:** 3

Key Skills: Java | Machine Learning | Core

Project Link: https://github.com/sumit3203/

The Parallel Filter Implementation for ASP/IJ project aims to accelerate image processing in ImageJ by parallelizing key filters used in the Active Segmentation Platform (ASP). It leverages Java Concurrency API for multi-core processing and JCuda for GPU acceleration, optimizing filters like Gaussian and Median for faster execution. The project ensures seamless ASP/IJ integration, improved scalability for large images, and maintains accuracy while significantly reducing processing time. The outcome enhances ImageJ's performance for high-resolution image analysis in medical imaging, microscopy, and scientific research.

Dubbo — 01 Jan, 2025 - 10 Feb, 2025
Mentor: No | **Team Size:** 1

Key Skills: Java

Project Link: https://github.com/ParthJadav1102/dubbo

Apache Dubbo is an easy-to-use Web and RPC framework that provides multiple language implementations(Java, Go, Python, PHP, Erlang, Rust, Node.js, Web) for communication, service discovery, traffic management, observability, security, tools, and best practices for building enterprise-ready microservices.

Crypto-Checker-Master — 01 Jan, 2025 - 10 Jan, 2025
Mentor: 0 | **Team Size:** 1

Key Skills: Java | Core Java

Project Link: https://github.com/ParthJadav1102/crypto-checker-master

Crypto Checker Master is a robust and efficient Java-based cryptocurrency tracking application that provides real-time updates on various digital assets. The project is designed to help users monitor cryptocurrency prices, analyze market trends, and make informed investment decisions.

Bank Mangament System — 23 Sep, 2024 - 08 Dec, 2024

Mentor: No | **Team Size:** 1

Key Skills: Java OOPs Java Swing Core Java JavaFX Spring Spring Boot Hibernate

Project Link: https://github.com/ParthJadav1102/Bank-Management-System

The Bank Management System is a software application developed in Java that allows users to manage banking operations such as account creation, deposits, withdrawals, fund transfers, and transaction history tracking. It can be a console-based, GUI-based (Swing/JavaFX), or web-based (Spring Boot, JSP, Hibernate) application, depending on requirements.

Flappy_Bird_java
12 Oct, 2024 - 04 Nov, 2024

Mentor: No | **Team Size:** 1

Key Skills: Java and Java Swing

Project Link: https://github.com/ParthJadav1102/Flappy-Bird-Java

The Flappy Bird Clone is a simple 2D game built using Java and Swing/JavaFX. The player controls a bird that must navigate through a series of obstacles (pipes) by tapping or pressing a key to flap and avoid collisions. The game continuously moves forward, and the player earns points by successfully passing through gaps between the pipes.

PERSONAL INTERESTS / HOBBIES

- Open-Source Contributions
- Competitive Coding
- E-Sport
- Technical Blogging
- Public Speaking & Tech Talks

WEB LINKS

- Github - https://github.com/ParthJadav1102
- Codechef - https://www.codechef.com/users/parth1102

PERSONAL DETAILS

Gender: Male
Marital Status: Single
Current Address: 90, Bhagunagar Society-2, Cozway road, Surat City, Gujarat, India - 395004

Date of Birth: 11 Feb, 2004
Known Languages: Hindi, Gujarati, English
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