

Parth Jitendrakumar Chaudhary

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Summary

Final-year B.Tech CSE student with robust skills in systems programming, full-stack web development, and agile methodologies. Experienced in building and integrating REST APIs, microservices, and real-time data solutions using C/C++, Java, and Python. Passionate about leveraging technical expertise to develop innovative, socially impactful solutions in collaborative, fast-paced environments.

Education

Dr B R Ambedkar National Institute of Technology Jalandhar

Jun 2022 - Jul 2026

H.Tech, Computer Science and Engineering

Fahaheel Al-Watanieh Indian Private School DPS , Kuwait

2020 - 2022

Senior Secondary Education (Class XII), CBSE

Experience

JPMorgan Chase & Co

Jun 2025 - Jul 2025

Software Engineering

- Designed and developed a Spring Boot application utilizing Kafka, JPA, and H2 database with integrated transaction logic and secure RESTful APIs, demonstrating end-to-end project ownership.
- Engineered a Kafka Listener to process transaction data and persist valid records, aligning with agile methodologies and fostering innovation within the technical team.
- Implemented Reward API integration via RestTemplate to fetch incentive values and update balances, showcasing effective collaboration and clear communication with backend teams.
- Developed a secure /balance endpoint with robust error handling, ensuring reliable access to user balances and an enhanced customer experience.

Projects

StayEase – Airbnb Clone | [Github](#)

Full-Stack Web Application / React, Node.js, Express, MongoDB

- Developed a full-stack booking platform with JWT auth, dynamic filtering, and secure image uploads via Cloudinary.
- Deployed with 95% uptime and 50+ mock bookings using MongoDB, Express, and React for optimal UX.

Football Analysis Project | [Github](#)

AI/ML Project / YOLO, KMeans, OpticalFlow, OpenCV

- Developed real-time player tracking using YOLOv5 and OpenCV, detecting 60+ movements/min.
- Improved detection accuracy by 40%, analyzing 60+ player movements per minute and improving game insight for coaches.

iPhone 15 Website Clone | [Github](#)

Front End Application / Html, CSS , JavaScript, G-Sap, React, TailWind, Three.js

- Developed a responsive UI clone with GSAP animations and Three.js 3D effects, ensuring 100% device compatibility.
- Enhanced performance by reducing load time by 25% and boosting user engagement by 30% through analytical optimization.

Skills & Certifications

- **Languages:** C++, C, Java, Python, JavaScript, TypeScript
- **Frameworks:** Node.js, Express, React, Spring Boot
- **Embedded & Systems:** Linux OS, TCP/IP, UDP, RTOS basics, Kafka, REST APIs, Firmware concepts, Multimedia Stack, BSP
- **Multimedia:** OpenCV, YOLOv5, OpticalFlow, Video/Image processing
- **Tools & Technologies:** Git, Postman, TailwindCSS, GSAP, Cloudinary, Docker (if applicable), Cloud Technologies, Relational Databases
- **Concepts:** DSA, OOP (C++), OS (Multithreading, comparison between OSs, etc.), Networking, Protocols (TCP/UDP/IP/SIP/RTP), Microservices, Kernel basics, Real-time processing, Big Data Concepts, Software Development
- **Soft Skills:** Collaboration, Problem-Solving, Communication, Technical Writing

Certification

- **Full Stack Web Development (MERN Stack):** Delta, Apna College [[Certificate](#)]
- **JPMorgan Chase - Software Engineering Virtual Experience:** (Jul 2025) [[Certificate](#)]
- **DevOps for Web Development:** GDSC [[Certificate](#)]