

# RITINDER SINGH

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## PROFESSIONAL SUMMARY

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Backend Developer specializing in scalable APIs and cross-platform solutions with Python (FastAPI), Flutter, and JavaScript. Optimized CRM integrations (HubSpot, Monday.com, Pylon) and real-time systems using WebSocket, Redis, and PostgreSQL.

## EDUCATION

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### Bachelor of Technology in Computer Science and Engineering

Chitkara University, Rajpura, Punjab | Graduated: August 2025

## PROFESSIONAL EXPERIENCE

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### Junior Software Developer

Genius365.ai (Remote) | May 2025 - January 2026

- Developed API microservices using Dart and JavaScript; integrated CRM systems (HubSpot, Monday.com, Pylon, JobAdder, GoHighLevel) for automated lead management
- Optimized LLM-based transcript analysis workflows achieving consistent JSON output for candidate qualification and call disposition classification
- Implemented CI/CD pipelines and automated testing frameworks, reducing manual testing effort and accelerating deployment cycles

## TECHNICAL PROJECTS

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### Real-Time Collaborative Whiteboard | Flutter, Python, FastAPI, Socket.io, Redis, PostgreSQL

- Built cross-platform whiteboard with real-time WebSocket synchronization (Socket.io), Redis caching, PostgreSQL storage, and offline sync for iOS, Android, and Web
- Deployed Python FastAPI backend on Raspberry Pi cluster with Docker containerization; integrated Apple Pencil pressure sensitivity and drawing tools

GitHub: [github.com/Ritinder-Singh/collaborative-whiteboard](https://github.com/Ritinder-Singh/collaborative-whiteboard)

### Cross-Platform Music Player Application | Flutter, Dart, Python (FastAPI)

- Developed Flutter music app supporting 6 platforms (Android, iOS, Windows, macOS, Linux, Web) with Python FastAPI backend for audio streaming
- Deployed backend on Raspberry Pi; designed platform-adaptive UI with playlist management, search functionality, and audio visualization

GitHub: [github.com/Ritinder-Singh/flutter-music](https://github.com/Ritinder-Singh/flutter-music)

## TECHNICAL SKILLS

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**Languages:** Dart, JavaScript, Python, C++, SQL, Bash

**Backend & APIs:** Python (FastAPI), Node.js, Express.js, RESTful APIs, WebSocket, n8n, Event-driven architecture

**Frontend:** Flutter, React.js, HTML5, CSS3

**Databases:** PostgreSQL, MySQL, Redis

**DevOps:** Docker, CI/CD Pipelines, Git, Linux, Unit/Integration Testing

## ACHIEVEMENTS

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HackersPrey CTF Competition - 3rd Place | March 2024 - Secured third place in cybersecurity challenge