# Rehmat Singh Gill

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## PROGRAMMING SKILLS

**Languages:** Java, Python, C, JavaScript/TypeScript
**Backend & APIs:** RESTful services, FastAPI, Node.js, microservices architecture
**Databases, Cloud & DevOps:** PostgreSQL, MongoDB, Redis, Elasticsearch, AWS, GCP, Docker, CI/CD, Railway
**Core:** Distributed systems, Scalable backend architectures, SDLC, Algorithms & Data Structures

## EDUCATION

**San Francisco State University**                                         San Francisco, CA
Bachelor of Science in Computer Science                        Aug 2022 – Expected May 2026
- GPA: **3.8**, Dean's List for academic excellence
- **Key Coursework**: Data Structures & Algorithms, Operating Systems, Computer Networking, Database Systems, Artificial Intelligence, Generative AI

**Honors & Hackathons**
- Awarded **3rd Place** in the *SFSU Computer Science Pitch Competition 2025* for presenting Cardinal, an AI-powered news platform.
- Selected for the **Microsoft for Startups Program** (2023), receiving mentorship and infrastructure credits to scale Render Studio internationally — recognition awarded to high-potential startups.
- Achieved a **Top 15** finish in the *All India Computer Science Olympiad (2018).*
- SF Hacks 2024, 2025: Built an offline dial-up **AI voice assistant** for elderly users, enabling web search, callback-based reminders, city navigation, and conversational support.

## EXPERIENCE

**Lead Developer — *Cardinal – AI News System***                        Sep 2024 – Present
https://apps.apple.com/us/app/cardinal-short-news-stories/id6747753965
- Built and scaled a distributed ingestion pipeline processing 25,000+ daily records, designed with fault-tolerant microservices.
- Developed low-latency RESTful APIs for search and feed generation, supporting thousands of concurrent users.

**Representative, College of Science and Engineering**                        Jul 2024 – May 2025
San Francisco State University                                         San Francisco, CA
- Advocated for student needs, driving initiatives to improve engagement and resource accessibility
- Spearheaded monthly student forums and conducted surveys to capture feedback, leading to actionable policy recommendations adopted by university

## OPEN SOURCE CONTRIBUTIONS

**Flutter Material Symbols — *Maintainer***                        2023 – Present
pub.dev/packages/flutter_material_symbols
- Maintain **flutter_material_symbols** package, providing over 2,000 Material Symbols icons integrated into 1,000+ Flutter apps

## PERSONAL PROJECTS

**Graphics Design Tool — *Render Studio***                        Mar 2023 – Dec 2023
https://apps.apple.com/us/app/render-studio/id6502481899
- Engineered a full-scale real-time graphics editor in Flutter, advanced state management, complex rendering logic, and cross-platform compatibility, resulting in a polished product with 2,500+ users worldwide

**File System Project — *Custom File System in C***                        Nov 2024 – Dec 2024
- Implemented inode-based directory management and block-level storage, applying algorithms for file lookup and indexing