Krrish

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SKILLS

Languages: JavaScript/TypeScript, C, C++, Java, Python, XML, JSON, HTML, CSS
Frameworks: Qt, Next.js, Express.js, React.js, Expo, Django, Fast API, OOPS
Tools/Platforms: Git, Firebase, Amazon Web Services (AWS), Docker, PostgreSQL, MongoDB, Redis, Queues, N8N
Soft Skills: Pragmatic Approach, Adaptability, Problem-Solving, Team Player

INTERNSHIP

Payben Private Limited   May 2025 - Sep 2025

- Revamped the company's recharge and bill-payment platform, improving reliability and **cross-platform UX**.
- Engineered a unified pipeline that **handled 10,000+ operator API calls per month**, **fallback routes, transaction validation** and real-time reward computation.
- Redesigned and deployed an **agent-onboarding + commission logic** system that onboarded **200+ users** to become micro-merchants during my tenure.
  Tech: Android studio, REST APIs, Firebase, N8N, MongoDB

PROJECTS

AI powered Directory Management System | GitHub   Nov 2025 - Dec 2025
- Developed a **workflow automation system** that optimized data/directory classification and task routing, inspired by **ITSM automation principles.**
- Trained **machine learning models** to analyze user behavior and metadata, achieving **53% Top-1 accuracy and 70% Top-3 accuracy** for file type prediction.
- Implemented **real-time AI-powered recommendations** and a responsive interface to enhance user experience.
Tech: RAG, Next.js, Prisma, Postgres, React, Gemini API, OAuth, Lang Chain

Gesture App | GitHub: Jul 2025 - Aug 2025
- Built a **custom system calls automation tool** with modular configuration and **event-driven design.**
- Created a **python-C++ bridge/adaptor** for low-latency detection, achieving seamless interaction with system-level actions, **reducing manual workflow by 40%**.
- Added **rule-scripting with configurable JSON-based mappings**, dynamic gesture recognition and **system tray integration.**
Tech: Qt, C++, Python, pybind11, Media Pipe, OpenCV, JSON

HTTP Server from Scratch | GitHub   Nov 2024 - Dec 2024
- Designed a lightweight HTTP server from scratch, capable of **handling multiple client connections concurrently**.
- Wrote a **custom HTTP request parser**, supporting essential HTTP methods and headers.
- Optimized TCP/IP socket operations for stable throughput.
Tech: C++, Sockets, Multithreading, TCP/IP, Networking Concepts

CERTIFICATES

Privacy and Security in Online social media | NPTEL | Certificate   Jan 2025
Master Generative AI and Generative AI tools | Infosys | Certificate   Oct 2023

ACHIEVEMENTS

Infineon Technologies Hackathon Winner:
Spearheaded a team to secure 1st prize in a hackathon featuring Algorithm Design to a complex problem.   Mar 2026

Secured Top 10 finish in a CTF challenge:
Led the team and finished under Top-10 in a National Level Capture the Flag (CTF) challenge.   Jan 2024

EDUCATION

Lovely Professional University   Phagwara, Punjab
Bachelor of Technology - Computer Science and Engineering; ***CGPA: 8.00***   *Since August 2023*

Army Public School   New Delhi, India
Intermediate-Science; ***Percentage: 87%***   *April 2021 - March 2022*

Army Public School   New Delhi, India
Matriculation; ***Percentage: 94%***   *April 2019 - March 2020*