

Mohammad Faizan

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EDUCATION

National Institute of Technology (NIT), Srinagar

Bachelor of Technology in Civil Engineering

Srinagar, India

Aug 2025 – July 2029

EXPERIENCE

Software Engineer - KashmirVistas

Next.js, TypeScript, React, PostgreSQL, Prisma, Stripe, FFmpeg, OpenAI APIs

Nov 2025 – Present

Srinagar, India

- Developed an **eCommerce platform** using modern technologies and **scalable backend architecture**
- Implemented secure payment processing workflows using **Stripe**, including checkout sessions, payment handling, subscription billing, order management, **webhooks**, and inventory management systems for scalability
- Built automated product video generation pipelines using **FFmpeg** for marketing and product showcase content
- Worked across **frontend, backend**, database design, API development, media processing, deployment workflows, performance optimization, and **production infrastructure management** in a scalable environment

PROJECTS

Unilink – Full-Stack Link-in-Bio SaaS Platform

Next.js 16, React 19, TypeScript, Prisma, PostgreSQL, NextAuth v5

[GitHub](#) | [Live](#)

- Built a production ready **link in bio** using **Next.js App Router**, Server Components, and Server Actions
- Authentication with **Google OAuth**, credentials login, JWT sessions, email verification, and **role-based access**
- Designed scalable **Prisma/PostgreSQL schemas** for profiles, analytics, links, and click tracking systems
- Developed analytics pipelines using request headers, UAParser, and **IP geolocation** for regional insights
- Integrated UploadThing, React Email, drag-and-drop sorting, interactive charts, and **dynamic SEO metadata**

Curtain AI – Multi-Tenant AI Support Decision Engine

TypeScript, Node.js, Express, Supabase, pgvector, OpenAI, MCP

[GitHub](#) | [Live](#)

- Built a **multi-tenant AI decision engine** enabling workspaces to define skills, triggers, escalation rules, and automated customer support workflows through scalable **REST APIs**
- Designed and optimized a **hybrid retrieval pipeline** using OpenAI embeddings, **pgvector similarity search**, Jaccard overlap ranking, and Reciprocal Rank Fusion (RRF) scoring
- Implemented structured AI decision selection with **confidence scoring**, escalation handling, and complete decision trace logging for debugging, analytics, and workflow analysis
- Developed secure multi-tenant backend infrastructure with hashed API keys, protected routes, **rate limiting**, Helmet, CORS policies, and **correlation-based request** tracing
- Exposed REST and MCP (JSON-RPC) interfaces with **Python SDK** support, enabling seamless **AI agent orchestration** and external backend service integrations

SnapSense – AI Screenshot & Visual Intelligence Utility

Electron, JavaScript, Groq/OpenAI APIs, IPC, Chromium Capture APIs

[GitHub](#) | [Live](#)

- Built a cross-platform **Electron tray app** for AI screenshot capture, OCR, and visual analysis workflows
- Developed fullscreen region capture using **desktopCapturer**, desktop streams, and canvas-based crop selection
- Designed a secure Electron architecture with preload **contextBridge APIs** and isolated renderer processes
- Integrated **Groq and OpenAI multimodal APIs** to power screenshot-based AI chat, OCR text extraction, contextual image understanding, and **advanced visual reasoning** workflows
- Implemented stealth/privacy mode, encrypted credentials, and installers for **Windows, Linux, and macOS**

TECHNICAL SKILLS

Languages: Kotlin, Java, Python, JavaScript, TypeScript, SQL

Frameworks: Next.js, React, Jetpack Compose, Tailwind CSS, Prisma, Auth.js

Developer Tools: Git, GitHub, Android Studio, VS Code, KiCad, Fusion 360, Docker, Postman

Cloud/Databases: PostgreSQL, SQLite, Firebase, AWS

Areas of Interest: Full-Stack Development, Android Development, Embedded Systems, Computer Vision, AI/ML, Hardware Design