

# Aryan Jain

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## TECHNICAL SKILLS

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- **Core Skills:** MERN Stack Development, Data Structures & Algorithms, Algorithm Design, Object-Oriented Programming (OOP), API Design, Microservices, Agile Development, Open Source Development
- **Programming Languages:** TypeScript, JavaScript, Rust, Ruby, Python, C++, C#, SQL, HTML, CSS
- **Libraries / Frameworks:** Next.js, React.js, React Native, Next.js, Vue.js, Node.js, Express.js, Tailwind CSS, Streamlit, Ruby on Rails
- **Tools / Platforms:** Git, GitHub, GitHub Actions, GitLab, Docker, Spline, Cursor, OpenAI, Replit, Claude
- **Databases:** MongoDB, PostgreSQL, Supabase, Firebase, MySQL, Vector Databases
- **Cloud:** Salesforce, Amazon AWS, Google Cloud (GCP), Microsoft Azure
- **Testing / QA:** JUnit 5, PyTest, Rspec

## WORK EXPERIENCE AND OPEN SOURCE

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### GoQuant

*Miami, FL (Remote)*

*Backend Engineer Trainee – Exchange Developer*

July 2025 – August 2025

- Engineered and optimized **low-latency backend modules** for the BitGet exchange using **C#** within an **OEMS v4 architecture**, enabling sub-millisecond order execution for **high-frequency trading** systems.
- Integrated and managed **BitGet APIs** to process real-time **Level 1 & Level 2 market data**, improving order book efficiency by **35%** and enhancing algorithmic trading throughput.

### Summer of Bitcoin 2025

*Sheridan, Wyoming (Remote)*

*Mentee & Contributor*

May – August '25

- Selected among the **top 2% contributors globally** for a prestigious open-source program focused on **Bitcoin protocol** and **Lightning Network** development.
- Developed a **full-stack React + Flask visualization tool** to display Lightning Network message flows, and enhanced **LNPrototest** with **BOLT #1 message support**, improving test reliability and debugging speed by **25%**. **Proof of Work**.

### Google Summer of Code 2025

*OSS (Remote)*

*Contributor – CircuitVerse, PalisaDoes Foundation & GeNN*

May – August '25

- Enhanced **CI/CD pipelines**, testing infrastructure, and refactored legacy codebases across three major open-source projects, improving scalability and maintainability.
- **CircuitVerse:** Unified **Ruby + Vue monolith**, upgraded **Node.js → v22**, and migrated simulator modules to **TypeScript**, achieving **100% unit test coverage** and authoring **24 PRs**.
- **PalisaDoes Foundation & GeNN:** Built comprehensive **unit and end-to-end test suites** achieving **100% coverage** for key modules, and transitioned from **Jenkins → GitHub Actions** with containerized builds and **parallel execution**, authoring **13 PRs**.

### GitLab

*OSS (Remote)*

*Open Source Contributor & Technical Writer (Level 2)*

March – August '25

- Ranked among the **Top 5 contributors** in three consecutive GitLab OSS hackathons by enhancing technical documentation and developer onboarding experience.
- Developed and maintained **unit tests** across multiple product teams, increasing test coverage and improving release stability through structured QA automation.

## LEADERSHIP EXPERIENCE

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### Google Developer Student Clubs

*Jabalpur, India*

*Organizer & Lead*

2024

- Led a core team of **12**, mentoring **1000+** students and scaling the community to **5000+** members across multiple initiatives.
- Organized workshops, hackathons, and study jams on Google Cloud, Generative AI, Flutter, and Web Development; recognized as a **Top 5 GDSC campus club** in India.

### Google Cloud Arcade Facilitator

*Jabalpur, India*

*Facilitator (2x Certified)*

2025

- Facilitated Google Cloud Arcade campaigns twice, helping over **500+** learners gain Google Cloud skills and achieve the Ultimate Milestone badge.

PROJECTS

<b>FinLitera – AI Financial Assistant</b>	<a href="#">Code</a>
<i>Next.js, Tailwind CSS, Shadcn-ui, Magic-ui, Supabase, NextAuth, Prisma, OpenAI API, Vercel</i>	<a href="#">Preview</a>
<ul style="list-style-type: none"><li>Developed an <b>AI-powered financial platform</b> serving <b>500+ users</b> with <b>personalized budgeting</b>, <b>investment guidance</b>, and <b>interactive learning</b>.</li><li>Implemented <b>real-time portfolio analysis</b> and AI recommendations using <b>Next.js</b>, <b>Supabase</b>, <b>OpenAI API</b>, handling <b>multi-source data integration</b> and <b>100+ concurrent sessions</b>.</li></ul>	
<b>ATS100 – AI Resume Analyzer</b>	<a href="#">Code</a>
<i>React.js, TypeScript, Tailwind CSS, React Router v7, PDF.js, Puter.js, Vite</i>	<a href="#">Preview</a>
<ul style="list-style-type: none"><li>Built a web app analyzing <b>500+ resumes</b>, providing <b>ATS scores</b> and actionable feedback on strengths and weaknesses.</li><li>Implemented <b>PDF parsing</b>, <b>AI-driven content analysis</b>, and <b>live previews</b> using <b>React</b>, <b>TypeScript</b>, <b>Tailwind CSS</b>, addressing <b>real-time processing</b> and <b>type-safety challenges</b>.</li></ul>	
<b>CodeSpace – Real-time Collaborative Code Editor</b>	<a href="#">Code</a>
<i>React.js, TypeScript, Tailwind CSS, React Router, Node.js, Express.js, Socket.io</i>	<a href="#">Preview</a>
<ul style="list-style-type: none"><li>Developed a <b>real-time collaborative code editor</b> supporting <b>50+ concurrent users</b> with <b>sub-100ms synchronization latency</b>.</li><li>Engineered <b>file management</b>, <b>chat</b>, and <b>notifications</b> using <b>Socket.io</b>, solving <b>concurrency</b>, <b>conflict resolution</b>, and <b>scalability challenges</b>.</li></ul>	
<b>InSignia – Indian Sign Language Translator</b>	<a href="#">Code</a>
<i>Python, CNN, Flask, OpenCV, Mediapipe, pyttsx3, Google TTS</i>	<a href="#">Preview</a>
<ul style="list-style-type: none"><li>Built a <b>real-time ISL translator</b> converting <b>100+ gestures</b> into <b>text and speech</b>, improving accessibility for <b>hearing-impaired users</b>.</li><li>Implemented <b>CNN-based gesture recognition</b>, <b>Mediapipe hand tracking</b>, and Flask backend with TTS, achieving <b>95% recognition accuracy</b> and <b>0.2s translation latency</b>.</li></ul>	

ACHIEVEMENTS

- Solved **500+ DSA problems** in C++, Python, and SQL.
- Google Solutions Challenge 2024: **Regional Finalist** for an AI-driven educational platform for rural students.
- Microsoft Imagine Cup 2024: **Semi-Finalist** for an AI-powered sign language translation solution.
- Smart India Hackathon 2023: **National Finalist**, built a deepfake detection system.
- IIT Bombay E-Cell Eureka: Ranked in **Top 50 teams out of 5000+**, showcasing startup innovation.
- Cisco ThingQbator: **Top 10 Startup** recognized for product and business impact.
- Hacktoberfest 2024 & Open Source Connect India: **Top 10 Contributor & Mentor**.
- Competed in **77 esteemed hackathons** with multiple wins across **Devpost**, **MLH**, and **Onsite** events.
- Competitive Programming: **Meta Hacker Cup'25**, **Flipkart GRID**, and **AtCoder** rating **700+**.
- NASA Citizen Scientist 2024: Contributed to **50+ research projects**.
- Topmate Mentor: Among the **Top 10% mentors** globally.
- GitHub: Maintained **1000+ contributions** across open-source projects.

EDUCATION

<b>Gyan Ganga Institute of Technology and Sciences, Jabalpur</b>	<i>2022 - 2026</i>
<i>Bachelor of Technology in Computer Science and Business System (CSBS)</i>	CGPA: <b>8.25</b>
<b>Ajaya Satya Prakash Public School, Jabalpur</b>	<i>2021 - 2022</i>
<i>Senior Secondary (Class XII), CBSE Board</i>	Percentage: <b>92%</b>