

AGAMYA SAMUEL

CLOUD ARCHITECT ENGINEER | SOFTWARE DEVELOPER

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EDUCATION

- **Sam Higginbottom University of Agriculture, Technology and Sciences** Aug'22 - Present
Bachelor of Technology, Computer Science & Engineering (CGPA: 8.60) Prayagraj, Uttar Pradesh

TECHNICAL SKILLS

- **Languages:** C/C++, Go, Java, Python, JavaScript, TypeScript
- **Backend:** Rest APIs, WebSocket, Node.js, Express.js, Django, Flask
- **Database:** PostgreSQL, MySQL, Oracle Database (v19), Redis
- **Cloud Services:** AWS, Google Cloud, Oracle Cloud
- **Developer Tools:** Docker, Kubernetes, Terraform, Pub/Sub, CI/CD Pipeline, Git, Jenkins
- **Full Stack Frameworks:** Next.js, React.js

EXPERIENCE

- **Software Technology Park of India (STPI) Allahabad** [1 year+] Jan'25 - Present
Head of Cloud Architecture and Engineering Prayagraj, Uttar Pradesh
 - Setup CI/CD Pipeline to deploy slay-e.com using Load Balancer to serve customers in US and IN
- **Wikimedia Foundation** July'24 - Present
Project Manager [Volunteer] for Open Source Project San Francisco, USA
 - Working with the community
- **English Learners** (englishlearners.in) Jan'25 - Present
Head of Cloud Infrastructure and DevOps Team Prayagraj, Uttar Pradesh
 - Setup underlying Cloud Infrastructure to serve a community of 25,000 members, ~500 DAU (daily active users), and ~7,500 MAU (monthly active users).
- **MNNIT Allahabad** Dec'24 - Feb'25
Cryptography and Network Security Researcher Prayagraj, Uttar Pradesh
 - Improvised the Timing Attack and CPU Probing by 25% on AES Encryption Algorithm
- **Impulsive Web** Aug'24 - Oct'24
SDE Intern Greater Noida, Uttar Pradesh
 - Developed and enhanced an HRMS platform by building scalable features, reducing system latency to 0.3 s, collaborating cross-functionally to deliver reliable, production-ready solutions.

ACADEMIC & PROFESSIONAL ACHIEVEMENTS

- **IIIT Hyderabad - 3rd Wiki Tech Summit** Oct'24
Invited to 3 day summit, Full report [here](#).
- **Bhubaneswar, Indic Wikimedia Hackathon Bhubaneswar 2024** Dec'24
Selected among top 30 students, out of 500 applicants. Full report [here](#).
- **Meta (Facebook), Gurgaon - Road to Wiki Graduation** Feb'25
Speaker & Mentor,
Mentoring contributors in the Wikimedia technical ecosystem; our team achieved the highest impact with 14+ approved open source contributions. Full report [here](#).
- **IIIT Jabalpur - HackByte 3.0** Apr'25
Judge & Mentor,
Guiding 2,500+ student participants in a 36-hour national-level hackathon. Full report [here](#).
- **Kochi, Indic Wikimedia Hackathon Kochi 2025** July'25
Mentor & Speaker
Invited as Mentor for a, mentoring 50+ students across diverse technical tracks in 3-day national hackathon. Full report [here](#).

- **Launch of the Road to Wiki Program at SHUATS** Sep'25
Guest Speaker, Full report [here](#)
- **Introducing the Wikimedia Free Knowledge Movement to Future Contributors** Sep'25
Guest Speaker, Full report [here](#)
- **Italy, Milan – Wikimedia Hackathon 2026** [upcoming] May'26
Awarded fully-funded [International Scholarship](#) to attend the Annual Wikimedia Hackathon

LEADERSHIP

- **FOSS United, Community Lead** [Prayagraj] *Dec'25 - Present*
Co-Organizer
- **Wikiclub Tech SHUATS** *Oct'24 - Present*
Founder, Chairperson
- **Google Developers Group (GDG), Prayagraj** *Aug'23 - Present*
Core Team – Technical Lead
- **Tensor Flow User Group (TFUG) Prayagraj** *Dec'23 - Present*
Core Team – Technical Lead, Event Organizer

SELF PROJECTS

- **English Learners** [Website URL](#)
○ Expanded access to global language education by linking underprivileged and rural students with certified IELTS/TOEFL educators. **Technologies used:** Docker, Kubernetes, Google Cloud, (GKE), Next.JS, Typescript, Tailwind, NoSQL, Resend, ShadcnUI, RadixUI
- **SHUATS National Talent Search Examination Platform** [Github / Website URL](#)
○ Centralized Platform to conduct, monitor and control the Examination. Anti-Cheat measures, UFM (Unfair Means) detection, support for complex Mathematical Equations. Increased the Administration efficiency by 63%. **Technologies used:** Docker, Web Socket, Latex, Markdown, Next.JS, Typescript, PostgreSQL, Drizzle ORM, Resend, ShadcnUI
- **Community Management Application** (Open Source – WIP) [GitLab](#)
○ Developed a Wikimedia Global Community Management System enabling community members to organize and manage events through a multi-level hierarchical structure with robust RBAC. **Technologies used:** Docker, Toolforge, Next.JS, Typescript, Tailwind, MySQL, Drizzle ORM, Resend, ShadcnUI, RadixUI, Zod
- **Plannova** [Github / Website URL](#)
○ Built a Venue, Vendor, Service Provider – booking web app with granular RBAC supporting Customers, Vendors, Staff, and Admins. **Technologies used:** Docker, Google Cloud, Redis as Caching Layer, Next.JS, NoSQL, Drizzle ORM, Razorpay Payment, Google Analytics, Zod
- **Event Management and Tracking** [GitHub / Website URL](#)
○ Streamlined the end-to-end event and attendee management pipeline by implementing a QR-based ticketing system with automated Email notifications. **Technologies used:** Docker, Kubernetes, Google Cloud, Next.JS with Typescript, Tailwind, PostgreSQL, Drizzle ORM, Resend, ShadcnUI, Zod
- **Amazonia** [GitHub / Website URL](#)
○ Engineered a scalable, customer-first E-Commerce platform with customer-centric focus on UX. Custom ADMIN Dashboard for Site Analytics. Increased the Checkout-speed by up to 48%. **Technologies used:** Next.JS, Typescript, Authjs, PostgreSQL, Drizzle ORM, Resend, ShadcnUI
- **TrackMyDeals** [GitHub / Website URL](#)
○ Built, a price-tracking platform that allows users to monitor Amazon product prices via URL and receive email alerts on price drops. **Technologies used:** Cheerio for Real-Time Web-Scraping, Next.JS, Typescript, Tailwind, NoSQL, Drizzle ORM, Resend, ShadcnUI, RadixUI, Zod