

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
 - Improvise 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**