

AGAMYA SAMUEL

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WORK EXPERIENCE

- **Wikimedia Foundation – Open-Source Contribution (July 2024 - Present):**
 - Actively Contributing to the development of Wikimedia projects, including Mediawiki, Wikidata, Toolforge, Gerrit.
 - 4+ Patches Merged in 1 Week | Profile - <https://meta.wikimedia.org/wiki/User:Agamyasamuel>
 - Contributions Link - <https://gerrit.wikimedia.org/r/q/owner:wikimedia@agamyasamuel.dev>
 - Community Profile Link - <https://phabricator.wikimedia.org/p/Agamyasamuel/>
- **STPI Allahabad - Vowel, Django Full Stack Developer and Cloud Architect (Jan 2025 - Present) [6 months+] :** [Offer L.](#)
 - Working on Job Hiring/Event Hosting Platform.
 - Contributed to the Frontend & Backend Team in developing the Project.
 - Laid the basic foundation; developed Excel to Json and other modules used in the Platform.
- **MNNIT Allahabad, Cryptography and Network Security Researcher (Dec 2024 – Feb 2025) [2 months] :**
 - Part of Information Security Education and Awareness (ISEA) Project Phase-III, Sponsored by **MeitY** - Government of India
 - Working towards Exploring New Encryption Algorithm, using AES and RSA. [Offer L.](#) / [Completion](#) / [LOR](#)
 - Timing Attack on AES Encryption Algorithm
- **[Impulsive Web](#), Full Stack Developer (July 2024 – Sep 2024) [3 months] :** [Offer L.](#) / [Completion](#) / [LOR](#)
 - Contributed to the HRMS Platform used to manage Employees and Company Resources, to be outsourced. [Live Project](#)
 - Played a key role in the Frontend Team in Angular, laid foundation for State Management in the App.
 - Established the foundational architecture of the project; engineered core modules including Excel To Json and other modules used in the Platform.

AWARDS & RECOGNITION

- **Google Developers Group, College Ambassador:**
 - Selection [Email](#)
- **Google Developers Group - Prayagraj, Core Lead:**
 - Lead GDG Core Team - Certificate of Appreciation - [Link](#)
 - Organized GDG Devfest Prayagraj 2023 - [Link](#) / [Verification](#)
 - Made website - gdgprayagraj.com and devfest.gdgprayagraj.com – [Acknowledgement Letter](#)

SPEAKING & MENTORSHIP EXPERIENCE

- **IIITDM – Jabalpur, HackByte 3.0:**
 - Representing Wikimedia Foundation @ HackByte 3.0
 - Mentor, Speaker and Judge for Hackathon with 4500+ participants - [Link](#)
- **Wikimedia Foundation, Road to Wiki Cohort:**
 - Speaker Session - SQL Basics to Advanced – [Session Link](#)
 - Speaker Session - Essential Tools for Wiki Contribution – [Session Link](#)

SKILLS

Programming Languages: C/C++, Python, Java, Javascript, Typescript, Go
Cloud Platforms: AWS, Google Cloud, Azure, Serverless (Cloudflare Workers, AWS Lambda, Azure Functions)
Backend & APIs: NodeJS, ExpressJS, GraphQL, Gin, WebSocket **Frontend:** NextJS, ReactJS, TailwindCSS
Databases & ORMs: PostgreSQL, MySQL, MariaDB, Drizzle ORM **Full-Stack:** MERN, MEAN, PERN, Go
Cloud Technologies: Docker, Kubernetes, CI/CD, Prometheus, Grafana, Datadog, CircleCI, Argo CD, Ansible, Elasticsearch, Logstash, Kibana, SonarQube
Testing: Unit Testing, Pytest, Jest, Selenium, Cypress **Other Technologies:** AI Agents, Spark, Hadoop, RabbitMQ

PROJECTS

- **Quiz Platform with Anti-Cheat measures, used as [University Entrance Exam Platform](#)** [Live Project](#)
 - Features: Supports complex Math Equations, Admin Dashboard to Manage Quiz + Users, Time-limit based Quiz, auto-submit.
 - Anti-Cheat Measures: Question Text Copy Prevention, Browser-Tab Switching Prevention.
 - Technologies used: NextJS with Typescript, OAuth, PostgreSQL + Drizzle ORM, Katex, Tailwind, ShadcnUI, Zod.
- **Event Ticket Management and Tracking Platform with QR scan based Check-in** [GitHub](#) / [Live Project](#)
 - Features: Ticket Registration, Admin Dashboard for Approval and Rejection, Email Notification, Scan QR for easy check-in
 - Technologies used: NextJS with Typescript, Tailwind, MongoDB, Resend, ShadcnUI, RadixUI, Zod.
- **TrackMyDeals (An Amazon-based Product-Price-Tracker app)** [GitHub](#) / [Live Project](#)
 - Features: Allowing users to track the price of Amazon products by entering the URL, Users can view current price, MRP, average price, and lowest price, and can submit their Email to get notified when the price drops.
 - Technologies used: NextJS with Typescript, Tailwind, MongoDB, Cheerio, Nodemailer, BrightData.com(Proxy Service).
- **SnapNexus (An online Social Media App)** [GitHub](#) / [Live Project](#)
 - Features: Viewing others' profiles, following or blocking users, adding stories, and managing posts by adding, deleting, or reposting them, Commenting and Liking post. Users can edit their profiles to customize their online presence.

[View the latest version of the resume @ https://r.agamyasamuel.dev](https://r.agamyasamuel.dev)

- Technologies used: Next.JS with Typescript, Tailwind, [Clerk](#) for Authentication, MySQL with PrismaORM, Zod, Cloudinary.

Amazonia *(An online Ecommerce App with ADMIN Dashboard)*

[GitHub](#) / [Live Project](#)

- Features: Viewing, searching, and filtering products, browsing by category, adding items to the cart, and making payments via PayPal, Stripe, or Cash on Delivery. The ADMIN Dashboard allows for updating inventory, managing orders, and overseeing user accounts efficiently, SEO Optimized.
- Technologies used: Next.JS with Typescript, Tailwind, NextAuth for Authentication, PostgreSQL with Drizzle ORM, Zod.

PhotoFusion *(An AI SaaS Platform for modifying Images)*

[GitHub](#) / [Live Project](#)

- Feature like: AI-based image manipulation app, offers powerful features such as image restoration, generative fill, object removal, and object recoloring. The homepage showcases recently edited images, and all functionalities are controlled by a Credits System. Users can purchase additional credits securely via Stripe.
- Technologies used: Next.JS with Typescript, Tailwind, Clerk for Authentication, Stripe for Payment Handling, Cloudinary for image transformation, MongoDB.

Zoomify *(An online video call Meeting App)*

[GitHub](#) / [Live Project](#)

- Features: Creating New Meeting, Schedule Future Meetings, Past Meetings List, View Recorded Meetings, Personal Meeting Room, Join Meetings via Link, Secure Real-time Functionality, Responsive Design (both for Desktop and Mobile).
- Technologies used: Next.JS with Typescript, Tailwind, Clerk for Auth, Getstream.io for video-call implementation.

EDUCATION

Sam Higginbottom University of Agriculture, Technology and Sciences

Bachelor of Technology, Computer Science & Engineering, CGPA: 7.9

Prayagraj

Aug 2022 – Present

Courses: Distributed System, Cloud Computing, Data Mining, Machine Learning, Data Structure and Algorithm, Object Oriented Programming (OOP)