ASHUTOSH ASWAL

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EDUCATION

Punjab Engineering College, India — 2020 - 2024
Bachelor of Technology, Computer Science & Engineering — *CGPA : 7.15*

EXPERIENCE

Full Stack Developer — April 2025 - Present
Task Savvy — *Bengaluru, India*

- Building the B2B sales platform for prospecting and outreach.
- Spearhead end-to-end full-stack development—designing scalable back-end infrastructure, integrating LLM-powered tools, and building browser-automation pipelines—to enable intelligent prospect research and large-scale data scraping.
- Technologies used: Django, Python, Next.js, TypeScript, AWS, Playwright, PostgreSQL

Founding Software Engineer — June 2024 - March 2025
Wuri AI (YC W24) — *Bengaluru, India*

- Architected product's backend, AI pipelines and video rendering techniques, handling **3000+** daily video generation requests.
- Architectured **RabbitMQ** to offload CPU-intensive **FFMPEG** tasks on a different consumer.
- Collaborated on the front-end side, integrating blogs, Discord auth, Remotion player, and other functionalities.
- Technologies used: FastAPI, Python, AWS, Firebase, Next.js, RabbitMQ, FFMPEG

Software Development Engineer - Intern — May 2024 - October 2024
Limurse — *Remote*

- Owned the full-stack web app development, facilitating users to explore and complete quests and helping seamlessly onboard **20+** business partners in the Bengaluru region.
- Architected and implemented scalable back-end services using **FastAPI** and **PostgreSQL**, with containerized deployment on **GCP Cloud Run**.
- Technologies used: TypeScript, Next.js, Firebase, PostgreSQL, GCP, Docker, Terraform, Redis

Google Summer of Code Student Developer — May 2024 - October 2024
MetaBrainz Foundation — *Remote*

- Developed a robust **Rust**-based background service, Melba, which automated data extraction from MusicBrainz **Postgres** database and archives the data through WayBack Machine API, and handles traffic of avg. **30,000 daily requests**.
- Added **Prometheus** for metrics collection and **Grafana** to display metrics on a dashboard.
- Technologies used: Rust, SQLx, Tokio, PostgreSQL, Grafana, Prometheus, Docker, Sentry

Android Engineer Intern — November 2022 - January 2023
Atom EI — *Remote*

- Enhanced a highly-rated wellness application (**4.9 stars, 1M+ users**) focusing on goal achievement through gamification and mindfulness.
- Developed and deployed **data migration scripts using Cloud Functions**, redesigned the **Homescreen Widget**, integrated video playback functionality, and revamped UI for multiple screens.

Google Summer of Code Student Developer — May 2022 - September 2022
MetaBrainz Foundation — *Remote*

- Led the development of Brainzplayer, a crucial local media player for the MusicBrainz Android application.
- Engineered a modern UI using **Jetpack Compose**, implemented data persistence with **RoomDB**, and integrated **Content Resolver** for media access, **Exoplayer** for playback, and **Broadcast Receiver** for notifications.

PROJECTS

Study Adda Developed a full-stack collaboration platform enabling real-time discussion rooms for students and professionals. (Github Link) (Live Project)

Codes-Practice Engineered a React-based programming portfolio showcasing solutions to **1000+ algorithmic problems**, competitive programming achievements, and extensive DSA implementations. (Github Link) (Live Project)

Sampoorna Got selected, and initiated to code for an open-source women's safety Android application featuring emergency location sharing. The project has garnered **20+ stars & 40+ forks** on GitHub. (Github Link)

yellowhatpro.tech I love programming and reading Computer Science stuff. I keep on making notes and forgetting them, so here is my personal website linked to my coding journey, my contacts, and my notes as blogs. (Website)

SKILLS

Most used: Python, JavaScript, TypeScript, Kotlin, React, Next.js, FastAPI, Linux, Docker, AWS, RabbitMQ, Postgres, MongoDB, Firebase
Knows: Rust, C++, Java, Bash, Lua, Bitcoin protocol