Aaditya Joshi (AJ) — Atlanta, GA/ Open to Relocate

Email: aaditya.joshi@gatech.edu
LinkedIn: linkedin.com/in/aadityajoshi2699
Website: aadilabs.fyi

Summary

User-focused Software Engineer with 4+ years building & owning production backend, data, and AI systems, from 0-to-1 features to global platform launches. I'm curious & passionate about transforming complex ideas into simple, reliable solutions & solving real-world problems to create meaningful user impact while continuously learning & innovating.

Education

Georgia Institute of Technology GPA: 4/4
M.S. Computer Science - focus in Machine Learning & Scalable Systems | *Atlanta, GA* Aug 2025 - Dec 2026
Relevant Courses: Graduate Algorithms, Deep Learning, Bayesian Statistics, Machine Learning, Computer Networks

Indian Institute of Information Technology, Pune
B.Tech, Computer Science & Engineering | *Pune, India* 2017 - 2021

Skills Summary

Programming	Rust, Python, C/C++, JavaScript, Java
Backend/Frameworks	Django, DRF, FastAPI, Spring Boot, Hibernate, Celery, RabbitMQ
Databases	DB Design, PostgreSQL, DynamoDB, Redis, MySQL, MongoDB
Cloud/DevOps	AWS, Lambda, Docker, Kubernetes, Kafka, Agile, Postman, Git/GitHub, CI/CD, Grafana
Frontend	React, Chromium, AngularJS, HTML+CSS
AI/ML	PydanticAI, Gemini, Claude, OpenAI APIs, MCP, PyTorch, RAG, LangChain

Experience & Select Projects

Software Developer Intern | Amazon Web Services (AWS) | Seattle, WA **May 2026 - Aug 2026**
Shipped **3 features** to production for **AWS Builder Center** (a builder platform with **276K+ users**), using Java, ReactJS, Lambda, DynamoDB, and CDK, expanding non-account onboarding & optimizing platform payload efficiency.

- Built front & backend for membership management, redesigning React pages with cards & pagination and a batch REST API that collapsed 50 client calls into one with per-record atomicity & idempotent retries.
- Designed and implemented a shareable invite-link feature with ∼**200ms** generation and ∼**150ms** resolution latency, creating the platform's first non-account acquisition path. Achieved a 100% production success rate in week one, processing **600+** link generations and attributing **200+** new user signups.
- Hardened for production: load-tested APIs, canaries, per-API monitoring, GDPR (RTBF/DSAR) purge/export, & feature-flagged staged rollouts - validating system resilience up to **40 TPS**.

Lead Software Engineer | Ridecell (YC S12) — Fleet Intelligence **Jul 2021 - Jul 2025**
Primary Tech Lead for **0-to-1** development and launch of core fleet products across Germany, Spain, and Belgium, owning systems from initial design through production for car sharing, ridesharing, and intelligent maintenance.

- Reduced API latency by **75%** (16s to 4s) via Django ORM optimization, targeted indexing, query profiling, & materialized views for read-heavy workloads.
- Designed & deployed Dagster pipelines **processing 100s of GBs** of hourly & daily data from **100,000+ vehicles**, powering new data-driven fleet management products.
- Integrated Claude & PydanticAI to automate metric visibility via a multistep verification loop, reducing manual dashboard creation time by **60%**.
- Maintained **99.999% uptime** & resolved SEV1/2 incidents in **<1 hr** by managing UAT & CI/CD pipelines.
- Re-architected backend systems, modernizing ∼**200 outdated dependencies**; remediating security vulnerabilities.
- Led a team of **3 full-time engineers** & mentored **2 interns** to full feature ownership within 6 weeks, shipping multiple production releases.

Bayesian Statistics Teaching Assistant (3 semesters) | Georgia Institute of Technology **Aug 2025 - Current**

- Mentor and support ∼**400** students per semester in Bayesian statistics, probability, and statistical inference, through office hours, technical discussions, and assignment support.

Someity | MLH Hack-cessible Hackathon Winner & Pitch Perfect Winner **Apr 2021 - Jun 2021**

- Built and launched a Chrome extension that improves website accessibility without requiring source-code changes, reaching 140+ users across 28 countries and winning both MLH Hack-cessible and Pitch Perfect.
- View here: producthunt.com/products/someity

Open Source Contributor: Python, Django, REST APIs | Weblate **Dec 2025**

- Contributed to the core codebase of Weblate (**6k+ stars**) by implementing a new API endpoint to retrieve comment lists for translation units, enhancing programmatic access for developers.
- Diagnosed & resolved local development environment configuration issues, improving documentation.

Awards & Certifications

ACM-ICPC 2020 (935/3200) **Smart India Hackathon 2020** (Finalist)
MLH Hack-cessible Hackathon 2021 (Winner - Someity)