

Aryaman Gupta

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EDUCATION

- Indian Institute of Technology (BHU) Varanasi
Bachelors of Technology GPA: 8.76/10.0

Uttar Pradesh, India
July 2019 - May 2023

EXPERIENCE

Blaze AI (YC W22) | Founding Software Engineer

May 2023 - Present

- Designed and developed an **automated multi-platform outreach** feature that enables users to start and manage LinkedIn and Twitter outreach, with key features that include **automatic follow-ups**, and **personalized message content**; contributing to **50% of the company's revenue**, significantly boosting user engagement.
- Built and maintained a **Wallet CRM** system, indexing over **450M+ EVM-compatible wallets** and creating data pipelines to keep insights updated, enabling clients to generate segments using contract addresses or wallets.
- Architected and led building Blaze's personalization module**, enabling clients to hyper-personalize outbound messaging using chain-of-thought prompting for scalable and seamless campaign integration.
- Led the development of key features like **Social Prospecting, Listener, Email Campaigns, and Centralized Inbox**, using X APIs, AWS, Airflow, and Sendgrid, driving innovation and expanding platform capabilities.
- Stabilized infrastructure and deployment pipelines**, enhancing reliability and efficiency while improving code coverage across the platform, contributing to overall product quality and robustness.
- Reduced AWS costs by 30% and Snowflake costs by 50%** through query optimization, resizing warehouses, and streamlining data pipelines, delivering significant cost savings and operational efficiency.
- Collaborated with **cross-functional teams (Engineering, Product, and Growth)**, contributing to Blaze AI's **No. 1 position on Product Hunt**, highlighting the product's impact and market leadership.

Exposure: Python, Flask, FastAPI, GraphQL, Snowflake, MySQL, Lambda, Step Functions, Airflow, Typescript, NextJS, Jest, System Design and other AWS resources

Exawizards | System Design Engineer Intern

May 2022 - March 2023

- Integrated a **PyTorch** trained Pose-Estimation model into an **iOS Application** on Swift, utilizing **TorchScript** and **Tensorflow Lite** to measure their inference speed and accuracy
- Implemented **Infrastructure as Code** framework for AWS resources using **Terraform** and **Terragrunt**
- Automated the creation of **EC2, ECR, S3 Buckets, RDS, KVS, and DynamoDB** using resource-specific modules and establishing **Continuous Integration and Deployment** pipelines
- Deployed **FastAPI** and React Projects using Lambda, ECS Clusters, API Gateway, Serverless, and Amplify

Exposure: PyTorch, Tensorflow, Torchscript, ONNX, Swift, Terraform, Terragrunt, React and AWS resources

Google Summer of Code '21 | Student Developer at Oppia

May 2021 - Aug 2021

- Developed a **version control system** for multiple collaborators to create lessons simultaneously
- Enabled Explorations, a core feature, to work **offline** for collaborators in the event of connectivity disruptions
- 15000+ LOCs, 25+ PRs**, and numerous code reviews ensuring a smooth transition and UI/UX

Exposure: Open Source, Angular, AngularJS, End to End (E2E) Tests, Frontend and Backend Tests, Typescript, OOPs, Code refactoring, Production Ready Code

PROJECTS & HACKATHONS

Autoave | A Car Wash Aggregator

- Conceptualized and designed the wireframe for a **hyperlocal car wash marketplace** and discovery platform
- Engineered a robust **Django/DRF backend** at scale, managing users, stores, bookings, and payments
- Implemented a **scheduling server** to process **background async tasks** such as notifications and emails
- Built the **NextJS** dashboard, which enables clients to manage their daily bookings and track revenue
- Onboarded 40+** car care stores and contracted terms for **20% commission of GMV**

LinkedIn Automated Messaging

- Developed an **automated LinkedIn messaging tool** for personalized bulk outreach with rate limit adherence and attribution tracking, enabling insights into acceptance and response rates for messaging effectiveness.

Extras

- API Dashboard, Hotel Management System, HelpHer, Hackalog, Orientation Bot, and more.**

TECHNICAL SKILLS

- Programming Languages:** Python, C, C++, Javascript, Typescript, SQL, GraphQL
- Libraries/Tools:** React, Docker, Flask, FastAPI, Snowflake, Django, DRF, Terraform, Git, Figma, Kubernetes, AWS
- Exposure:** Terragrunt, Angular, Flutter, PyTorch, Tensorflow, TorchScript, TFLite, Swift
- AWS:** Step Functions, ECS, Lambda, Amplify, EC2, ECR, API Gateway, EBS, Cognito, Cloudwatch, RDS, DynamoDB, etc.