

# Aman Desai

Distributed Systems Enthusiast

CV Last Updated: 13/09/2021

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## EDUCATION

### B.Tech.

K. J. Somaiya College of Engineering

08/2018 - Present

7.96 GPA

## WORK EXPERIENCE

### Software Engineering Intern

Smollan India

09/2021 - Present

Client: **Google**, India.

Achievements/Tasks

- Working on internal tools to **reverse engineer consumer brand journeys**. It collects and processes publicly available digital footprints to **generate real time insights** into the consumer journey.
- Moving **current codebase to Google Cloud** including **scheduling and ensuring proper delivery**.
- Tech: **Flask, MySQL, NLTK, NumPy**
- Cloud: **Google Cloud Run**

Contact: Aashish Mittal - aashish.mittal@google.com

### Freelance Developer

Hermes

03/2021 - 04/2021

Advertising application, inserting targeted Ads using chrome extension and paying viewers.

Achievements/Tasks

- Built complete infrastructure (**Server, Website, ChromeExtension**).
- Integrated **Paypal Payment Gateway** for payments.
- Built **lambda functions** to release payments.
- Indexed Ads using Elasticsearch for relevancy.
- Tech: **Flask, Python, Elasticsearch, NuxtJs, Javascript**.
- Deployment: **AWS Lambda, EC2, SES, Amplify**.

Contact: Vikas Gupta, CTO, Levyne - vikasgupta@levyne.com

### Development Intern

Milkie Way, Inc.

04/2020 - 05/2020

Achievements/Tasks

- Integrated **Data Pipelines** to pump in data.
- Developed a customized **scalable** framework for **web scraping** which made **indexing** websites faster than ever.
- Enabled **Webhook Architecture** to avoid **Polling**.
- Other Responsibilities Include - Code Refactoring, Ensure Proper Scraping, etc.
- Tech: **Python, Flask, NodeJS, Cheerio**
- Cloud: **Google Cloud Functions, Firebase**

Contact: Sudeep Chauhan - sudcha@tomilkieway.com

## SKILLS

Java

Python

Jekyll

Flask

Android

MongoDB

Node.js

AWSLambda

Parallel Computing

Java Concurrency

NuxtJS

Bulma

DynamoDB

Tailwind

## PERSONAL PROJECTS

Tracer (Live Project) 🔗

- End-to-End URL shortening service, providing smart analytics for audience.
- 60 Daily Active Users, 500 Registrations, 300 Daily Hits on Tracer Shortened Links. - (1st month)**
- Built on **MicroService Architecture**, deployed on **AWS**. (Lambda, API Gateway, Route53, S3)
- Tech:** Flask, Nuxt.js, BulmaCSS, DynamoDB
- [Click Here to Visit Website](#)

Buglytics

- Centralised Bug Reporting System, for Modern De-Centralised Systems
- Any error, along with other details can directly be streamed to Buglytics which will then trigger necessary **triggers** (configured by developer), **push a notification to developers** regarding error details.
- Tech:** Flask, NuxtJS, PostgreSQL
- [Github Link](#)

SQLtoJSON

- Say Good Bye to Cursors, Connections, MySQL Drivers. This package has everything covered. And that is not the best part.
- Best part is you get an easy to use web interface where you can see your **"in-code" query history** and try new queries.
- Tech:** Flask, SQLite, Bootstrap
- [Github Link](#)

## CERTIFICATES

Linux Web server High-Availability clustering. 🔗

Built **Master-Backup servers** with **centralised storage** including **leader election algorithm** for fault tolerance.

AWS Fundamentals: Building Serverless Applications

🔗

Passed Assessments with a grade of 97.8%

Parallel Programming in Java

Passed Assessments with a grade of 88.00%

## INTERESTS

Competitive Programming

Mathematics

Cloud Computing

Computer Networks

System Design

Distributed Systems