

Venkata Datta Adithya Gadhamsetty

Baltimore, MD | [Email](#) | [GitHub](#) | [LinkedIn](#) | [Website](#)

EDUCATION

Johns Hopkins University

Master's of Science in Engineering, Computer Science

Baltimore, MD

Aug 2024 — May 2026

- Future Networks, ML:DL, Distributed Systems, Parallel Computing in Data Science, Federated Learning & Analytics

Vellore Institute of Technology AP

Bachelor of Technology, Computer Science; GPA: 9.09

Amaravati, India

Aug 2019 — May 2023

- Data Structures & Algorithms, Artificial Intelligence, Network Programming

SKILLS AND AWARDS

- **Programming Languages:** JavaScript, Python, C/C++, HTML/CSS, Bash, Rust, Go, SQL
- **Frameworks:** Django, FastAI, ExpressJS, FastAPI, Sveltekit
- **DevOps:** Docker, Kubernetes, Git, Linux, AWS, GCP, Azure, CI/CD, Prometheus, Grafana
- **Data Engineering:** Apache Spark, Pandas, Polars, Pyarrow, DuckDB, AWS Redshift, AWS S3, AWS Glue, Celery, Redis
- **Awards:** Winner of *Winter Season of Code 2020*, Awarded the *Raman Research Award* for publication of ASM-SDN

WORK EXPERIENCE

Software Development Engineer II

Bajaj Finserv Direct Limited

Jan 2023 — July 2024

Pune, India

- Pioneered the **DRIFT data migration framework** which now orchestrates over 500+ ETL jobs, enabling **data delivery, observability, and reporting**. Leveraged **Python, DuckDB, AWS, and Spark** to reduce the OpEx by upto 66%.
- Established primitives focusing on interoperability and DevEx, by introducing an API for pipeline extensibility, using **FastAPI** and **PostgreSQL**.
- Refactored legacy code and improved DevEx for a critical business service **concurrently processing upto 30 million unique customers** through expert usage of **Parquet, DuckDB, Celery, AWS, and Spark**.
- Developed, documented, and containerized the Customer360 API for critical data delivery using **MongoDB, Python** and **FastAPI** improving the **response rate by 40%** and **data quality by 20%**.

Technology Consultant Intern

PricewaterhouseCoopers India

May 2022 — Jul 2022

Bangalore, India

- Consolidated various statistics related to GHG Emissions in Bangalore leveraging APIs and **Excel Automation** to assist **Data Modeling**.
- Refactored the EPM Board to generate quantitative reports using **Python Automation, Data Cleaning** and **Data Wrangling**.

Web Application Penetration Tester

Indian Servers

Mar 2020 — May 2020

Vijayawada, India

- Solved Juice Shop challenges through **penetration testing** and offensive attacks referencing **OWASP** requirements.
- Discovered a vulnerability for a client where **resources were accessible by unauthorized users**; utilized **Burpsuite** to trace asset delivery and authentication loopholes.

PROJECTS

Novel Crawlers v2 | *Python, FastAPI, Docker, Redis*

Jan 2021 — Mar 2021

- A personal web crawler that scrapes wordpress light novel websites to generate EPUB novels for offline reading.

OSCHub | *Django, Bootstrap, Heroku, Google Cloud*

Mar 2021 — Mar 2022

- Digital platform for club activities management; used for event registration, attendance management, and event streaming.

Murgi Bot | *Rust, Serenity, Discord API, Docker, Songbird, Jackett*

Dec 2021 — Feb 2022

- A discord bot that can retrieve magnet links and help you play Dungeons and Dragons.

Agni EMS | *MERN Stack, AWS, GitHub, Docker*

Jan 2022 — Dec 2022

- A university management system created to manage the operations of the university in a digital space.

EXTRACURRICULAR ACTIVITIES

President of the Open Source Community

May 2021 — May 2022

- Led the Open Source Community, organized MLH Hackathons and set up the community's **GitHub space for FOSS development**.
- Introduced the Admin-Guide to provide a centralized documentation source for the next generation of the Executive Board using **GitBook, Netlify, and GitHub CI/CD**.
- Mentored student developer teams to build **open-source MERN stack projects** to foster community development and tackle event management problems.