

Adarsh Gupta

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Results-oriented software developer with strong analytical and problem-solving skills, also adept at time management and possess good communication skills. Seeking a Co-Op or intern position in software engineering for Summer/Fall 2023 to apply technical skills and creative thinking in a fast-paced team environment

EDUCATION

Northeastern University, Boston, MA

Master of Science in Software Engineering Systems

September 2022 - Expected May 2024

GPA: 4.0/4.0

Gujarat Technological University, Gujarat, INDIA

Bachelor of Engineering in Computer Science & Engineering

June 2017 – June 2021

GPA: 9.74/10.0

Related Courses: Object Oriented Design, Web Dev, Database Systems, Artificial Intelligence, Data Structure- Algorithms

EXPERIENCE

Software Development Engineer

January 2021 - Aug 2021

[Glib.ai](#)

Ahmedabad, India

- Built full stack components for [a financial reports automation](#) product operated by banks & investment organizations
- Accelerated release cycle by **30%** through CI/CD techniques with **Jenkins, Selenium, & AWS Elastic Beanstalk**, resulting in a **33%** increase in software delivery efficiency
- Executed migration of core components to **Django, Redis, AWS ElastiCache & PostgreSQL** for **20%** performance boost
- Significantly improved system performance by **25%** using **Celery & RabbitMQ** tested using **JMeter**

Software Engineer Intern

June 2019 - August 2019

[CodeMastr Apps](#)

Vadodara, India

- Boosted [cloud storage](#) efficiency by **23%** employing **Python, Django, MongoDB, Docker, PyTest and AWS, Chef, Puppet**
- Revamped backend APIs by reducing latency of **P75** requests by **30%** through integration of Celery & RabbitMQ
- Transformed search experience with **ElasticSearch** resulting in **75%** improvement in accuracy measured in **JMeter** and capable of handling a **100%** increase in traffic

SKILLS

Programming Languages: Java | JavaScript | Python | TypeScript | C++ | C# | SQL | Go | Shell Scripting

Frameworks & Tools: Git | AWS | Azure | React.js | Node.js | Docker | Django | Kafka | Selenium | GraphQL | Kubernetes | Elastic Search | Nginx | Jenkins | Jira | RabbitMQ | Flask | Agile | Pytest

Databases: MYSQL | Mongo DB | PostgreSQL | Sqlite | Redis | Firebase | SQL Server | PL/SQL

PROJECTS

Atris (Startup Project) [TypeScript, Django, ReactJS, Mongo DB, Vercel, Azure, Python] [[Website](#)] [[GitHub](#)]

- Led AI driven personal knowledge base management startup ATRIS, delivering a scalable & user-friendly product
- Harnessed power of **Nvidia Nemo & Azure DSVM** for accurate speech recognition & optimized speech processing
- Successfully deployed using Vercel, **Azure Code Pipelines** and **GitHub actions** for optimal performance & uptime

Semantic Neural Search (Research Project) [Docker, Kafka, MYSQL, Elastic Search] [[Publications](#)][[GitHub](#)]

- Researched & innovated an efficient pipeline-based architecture for digital media retrieval and searching using deep learning methods in which users can search indexed data utilizing semantic neural search on text, audio, image and faces
- Published a research paper on the project architecture for [ICCB 2021](#) Computer Networks, Big Data, and IoT conference

AWARDS

- [SSIP Seed grant Award](#): Government of Gujarat, India awarded ₹165K to transform & boost our startup project, Atris (**02/10/2020**)
- [Best Startup from the city Award](#): Awarded for Atris at Gtu Startup Day for showcasing the prototype version of Atris (**03/07/2020**)