Bhanu Gupta

New York, NY | bhanuvkgupta@gmail.com | github.com/bhngupta | linkedin.com/in/bvg | 347-81708920

EDUCATION

New York University   **Sept 2022 – May 2024**
Master of Science, Computer Engineering   GPA: 3.7/4

SRM Institute of Science and Technology   **Aug 2018 – May 2022**
Bachelor of Technology, Computer Science and Engineering   GPA: 8.74/10

SKILLS

- **Languages/Database:**   Python, Java, Javascript, Go, C++, React, Django, MySQL, MongoDB, Redis, Kafka
- **Technologies:**   REST APIs, GraphQL, Terraform, Docker, AWS, GCP, Git, Jenkins, Agile

EXPERIENCE

Flipped.ai (prev. Gaius Hyperlocal)   Sept 2020 – June 2022

Software Engineer - Intern | *Python (Django), Javascript, Kafka, Redis, REST, MySQL*

- Streamlined candidate and employer workflows in a talent acquisition application using Django, automated complete user flows bolstering end-to-end functionality.
- Improved application robustness by off-loading notifications to a microservice, and integrating Apache Kafka for message brokering and Redis for caching.
- Achieved **a 3x increase in search performance** by developing REST APIs to store search history and integrating Apache Lucene with query-level boosting to deliver personalized search results.
- Enhanced platform monitoring by developing a rules engine in Javascript to monitor real-time performance metrics of the application and the cloud infrastructure.
- **Reduced build time by 30%** by integrating Jenkins CI/CD pipelines and employing Terraform for cloud infrastructure management.
- Hired as one of the founding engineers, spearheaded the scaling of the product from inception to launch, witnessing a user base surge to 15,000 during my tenure.

Make A Difference   June 2021 – Dec 2021

Software Engineer - Intern | *Java (Spring boot), REST, GraphQL, Javascript (React), Selenium*

- Designed MongoDB schema and developed end-to-end features in JavaScript for adding, deleting and displaying bugs. **Reduced developer efforts by 70%**.
- Implemented automated testing suites using Jest and Selenium following Test-Driven Development(TDD) process, resulting in 92% code coverage.
- Collaborated with the API team to develop Java endpoints for the core application, a robust Learning Content Management System(LCMS).

PROJECTS

More projects information can be found at - Portfolio

Streamify - Distributed Video Streaming Platform | *Python, Apache Kafka, Flask*

- Developed a scalable and fault tolerant distributed video streaming platform, with multiple workflows ensuring seamless delivery of video content.
- Leveraged Kafka's distributed architecture to achieve parallel processing of video frames across multiple consumer instances

Genie - Generative AI Chatbot | *ReactJs, Flask, OpenAI*

- Engineered an intelligent conversational interface adept at furnishing comprehensive personal information in response to user queries

Tic-tac-toe | *Go, CLI*

- Crafted a command-line adaptation of the timeless strategic game, using Go programming language

ACCOMPLISHMENTS AND AFFILIATIONS

- Teaching Assistant for Operating Systems for Prof. Kamen Yotov
- Merit Scholarship, NYU Tandon School of Engineering