

Bhanu Gupta

bhanu.gupta@nyu.edu | linkedin.com/in/bvg | github.com/bhngupta | 347-817-8920

EDUCATION

- **New York University** New York, NY
Master of Science in Computer Engineering; GPA: 3.72 *Aug. 2022 – May. 2024*
- **SRM Institute of Science and Technology** Chennai, India
Bachelor of Technology in Computer Science and Engineering; GPA: 3.60 (8.75/10.0) *Aug. 2018 – May. 2022*

TECHNICAL SKILLS

- **Languages:** Python, Java, C, C++, Javascript, Go, R
- **Technologies:** REST, GraphQL, Spring, Django, React, Jenkins, NodeJS, Docker, Kubernetes, AWS

EXPERIENCE

- **Flipped.ai** Chennai, India
Software Development Engineer - Intern *Sept. 2021 - June 2022*
 - **Web Applications:** Designed and developed a candidate hiring application with Django, React, and JavaScript ensuring all compliance, achieving a 50% reduction in manual workload.
 - **Debugging & Testing:** Mitigated 20+ critical bugs on Django-React application. Introduced rigorous unit testing protocols for each issue resolved to prevent future recurrences.
 - **API Development:** Engineered and maintained a robust portfolio of 100+ GraphQL NodeJS APIs for seamless data retrieval from AWS RDS database, to support over 15,000 users.
 - **Analytics Dashboard:** Created a rules engine in JavaScript (NodeJS) for identifying heuristic based performance regressions; integrated with web application and developed a dashboard for displaying analytics.
 - **Process Automation:** Optimized the Continuous Integration and Deployment (CI/CD) pipeline by leveraging Jenkins and Github Actions, resulting in a 30% reduction in build time, enhancing development efficiency and deployment speed
 - **Notifications:** Built service for sending email, push and in-app notifications. Involved in features such as delivery time optimization, tracking, queuing and A/B testing. Built an internal tool to run batch campaigns for marketing.
- **Make A Difference** Bangalore, India
Software Development Engineer - Intern *May 2021 - Aug 2021*
 - **Bug Tracking:** Orchestrated the design of a MongoDB schema, introduced Redis caching, and implementing end-to-end features in JavaScript (ES6) for bugs management. Reduced developer efforts by 70%.
 - **Volunteer Management System:** Developed optimal RESTful web-service using micro service architecture, React (Typescript) and Redux Tool Kit to analyze and present over 100 individual data points for 3,000+ users. Implemented data visualization components, increasing user interaction by 72% across the platform
 - **Testing:** Implemented automated testing suites using Jest and Cypress, resulting in a 40% reduction in bug reports and significantly improving code quality (92% code coverage).

PROJECTS

- **Genie - Generative AI Web Chatbot:** AWS-based Generative AI chatbot using OpenAI's API, which can provide my detailed personal information upon user request through natural language conversation.
- **FotoFind - Smart Photo Album:** Enables users to search their photo collection using natural language. The application uses Lex, ElasticSearch, and Rekognition to establish an intelligent search system.
- **NotePad.io - Secured Notes:** SHA256 encrypted note taking application in using Java Swing and core Java OOPS concepts.
- **Tick Tac Toe - Go:** A CLI game of Tick Tac Toe written in golang.

ACCOMPLISHMENTS AND AFFILIATIONS

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