

SHASHANK SIGDEL

Email: shasigdel@gmail.com | GitHub: [shasigdel](https://github.com/shasigdel) | LinkedIn: [/in/shashanksigdel1429](https://in/shashanksigdel1429) | Portfolio: [shashanksigdel](https://shashanksigdel.com)

WORK EXPERIENCE

BLINK VOICE INC.

Software Engineer Intern

Uniondale, NY

Feb 2025 - Present

- Designed and developed a **scalable backend system** using **NodeJS**, **Flask**, and **NGINX** for high availability.
- Integrated **MongoDB Server** to implement a **subscription feature**, enabling dynamic user access control.
- Created **MongoDB replicas and instances** to enhance **scalability and fault tolerance**.
- Optimizing system performance with **RabbitMQ**, **microservices**, and asynchronous processing for scalability.
- Developed a **React feedback widget** integrated with **JIRA API** to auto-generate tickets, streamlining **SDLC** workflows.

YORK COLLEGE

Software Engineer Intern

Queens, NY

Jun 2024 - Dec 2024

- Developed **scalable backend** functionalities using **Flask- Python**, for the **YorkGPT Language Model**.
- Enhanced system efficiency by training YorkGPT LM using **Ollama** and **Huggingface**.
- Improved UI/UX by building a responsive **ReactJS frontend** for better usability.
- Collaborated with research teams to implement **machine learning pipelines** for NLP tasks.
- Optimized **SQL Server queries** to enhance system performance.

TECH INCUBATOR AT QUEENS

Software Engineer Intern

Queens, NY

Jun 2024 - Sept 2024

- Delivered software solutions by collaborating with **cross-functional teams**, ensuring alignment with project goals.
- Enhanced code quality by developing clean, maintainable, and efficient code, which improved overall project scalability.

AURISTOR INC.

Software Engineer Intern

New York, NY

Feb 2024 - Apr 2024

- Designed and developed a **ReactJS and TypeScript dashboard** for data visualization.
- Collaborated with backend teams to integrate **Restful APIs**, ensuring seamless functionality.
- Enhanced authentication using **OAuth**, aligning with **enterprise security standards**.

BNY MELLON

Software Engineer

New York, NY

May 2022 - Feb 2023

- **Developed** secure and scalable **RESTful APIs** using **Java Spring Boot** and **microservices**.
- Automated deployment pipelines using **GitLab CI/CD**, speeding up releases and reducing errors.
- Boosted system stability by troubleshooting and optimizing **Java** applications, reducing downtime.
- Streamlined **database** operations using **Spring Data JPA** and **Hibernate**, ensuring **data integrity**.

EDUCATION

CUNY - YORK COLLEGE - GPA 3.573

Bachelor of Science in Computer Science

Queens, NY

Graduated: December 2024

SKILLS

PROGRAMMING/SCRIPTING: Java, JavaScript (ES6+), TypeScript, Python, C++

FRAMEWORKS & LIBRARIES: Spring Boot, Flask, ReactJS, Redux, Node.js, Tailwind CSS, Electron.js

CLOUD & DATABASES: PostgreSQL, MySQL, MongoDB, Firebase, Apache Kafka, NGINX, Docker, SQL Server

OTHERS: SDLC, Agile, Git, GitLab CI/CD, Jenkins, REST APIs, Figma, App Engine, Jira

PROJECTS

YORK CHAT | ReactJS, Firebase, ChatEngine.io

[See Project](#)

- Enabled real-time communication by developing a chat system with integrated **Google authentication**.
- Secured user data by implementing message encryption and robust authentication, enhancing system privacy and trust.

LIBRARY INFORMATION SYSTEM | ReactJS, HTML, CSS, Netlify

[See Project](#)

- Improved library access by creating a responsive single-page application, providing comprehensive information to users.
- Boosted user experience by optimizing accessibility and ensuring cross-device compatibility.

BOOK STORE APP | Node.js, Express, ReactJS, MongoDB

[See Project](#)

- Built a full-stack bookstore application using the **MERN stack**.
- Implemented browsing, **search**, and **book management** features with **Vite**.