

SHASHANK SIGDEL

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WORK EXPERIENCE

BLINK VOICE INC.

Software Engineer Intern

Uniondale, NY
Feb 2025 - Present

- Designing and developing a scalable backend system with **NodeJS**, and **NGINX** for high availability.
- Built a secure **middleware backend** to manage and protect **environment variables** for an **Electron.js** application.
- Integrating **NLP models** for speech-to-text and automated summarization to enhance sales insights.
- Optimizing system performance with **RabbitMQ**, **microservices**, and asynchronous processing for scalability.
- Enhancing backend **logging** and monitoring to improve system reliability.

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.

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, enhancing user experience.
- Collaborated with backend teams to integrate **Restful APIs**, ensuring seamless functionality.
- Reduced errors and improved stability through efficient debugging.
- Enhanced authentication by implementing **OAuth**-based login.

BNY MELLON

Software Engineer

New York, NY
May 2022 - Feb 2024

- **Developed** secure and scalable **RESTful APIs** using **Java Spring Boot**.
- Enhanced data retrieval speed and accuracy by integrating client data into BNY Mellon's data lake.
- Automated deployment pipelines using **GitLab CI/CD**, speeding up releases and reducing errors.
- Boosted system stability by troubleshooting and optimizing **Java** applications, reducing downtime.
- Utilized **Spring Data JPA** and **Hibernate** to streamline database operations and enhance 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+), Python, C++, Typescript
FRAMEWORKS & LIBRARIES:	ReactJS, Redux, Node.js, Spring Boot, Tailwind CSS, Electron.js, RabbitMQ, MUI
CLOUD & DATABASES:	PostgreSQL, MySQL, MongoDB, Firebase, NGINX, Hibernate, Spring Data JPA
OTHERS:	Git, GitLab CI/CD, Jenkins, REST APIs, Figma, App Engine

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**.