SHASHANK SIGDEL

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WORK EXPERIENCE

BLINK VOICE INC.   Uniondale, NY
Software Engineer Intern   Feb 2025 - Present
- Designing and developing a scalable backend system with **NodeJS**, and **NGINX** for high availability.
- Building a database to store and manage audio metadata, transcriptions, and summaries for efficient retrieval in **MongoDB**.
- Integrating **NLP models** for **speech-to-text transcription** and automated audio summarization to enhance sales insights.
- Optimizing system performance with **RabbitMQ**, **microservices**, and asynchronous processing for scalability.

YORK COLLEGE   Queens, NY
Software Engineer Intern   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 user interaction by creating a responsive frontend using **ReactJS**, increasing usability of the SLM.

TECH INCUBATOR AT QUEENS   Queens, NY
Software Engineer Intern   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.   New York, NY
Software Engineer Intern   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.

BNY MELLON   New York, NY
Software Engineer   May 2022 - Feb 2024
- Developed secure **RESTful APIs** with **Java Spring Boot**, enhancing **data security** and access efficiency.
- 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.

EDUCATION

CUNY - YORK COLLEGE - GPA 3.573   Queens, NY
Bachelor of Science in Computer Science   Graduated: December 2024

SKILLS

PROGRAMMING/SCRIPTING:	Java, JavaScript (ES6+), Python, C++, Typescript
FRAMEWORKS & LIBRARIES:	ReactJS, Redux, Node.js, Spring Boot, Tailwind CSS, LangChain, RabbitMQ, MUI
CLOUD & DATABASES:	PostgreSQL, MySQL, MongoDB, Firebase, NGINX, Oracle SQL
OTHERS:	Figma, Material UI, App Engine, GitLab CI/CD, Git, Jenkins, REST API

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**, leveraging **Vite** for fast and efficient frontend development.
- Improved user experience with features for browsing, searching, and managing book collections seamlessly