SHASHANK SIGDEL

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WORK EXPERIENCE

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

YORK COLLEGE   **Queens, NY**
Software Engineer Intern   **Jun 2024 - Dec 2024**
Tech Stack: Python, ReactJS, Flask, SLM, LangChain, Postgres, Ollama
• 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**
Tech Stack: JavaScript, ReactJS, HTML, CSS, Material UI, Figma
• 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.
• Improved project continuity by documenting development processes, supporting team information sharing.

AURISTOR INC.   **New York, NY**
Software Engineer Intern   **Feb 2024 - Apr 2024**
Tech Stack: ReactJS, TypeScript, Tailwind CSS, Kubernetes, Docker, Go
• Designed and developed a ReactJS and TypeScript dashboard, enhancing user experience.
• Collaborated with backend teams to integrate APIs, ensuring seamless functionality.
• Reduced errors and improved stability through efficient debugging.

BNY MELLON   **New York, NY**
Software Engineer   **May 2022 - Feb 2024**
Tech Stack: Java, Springboot, Rest API, Gitlab CI/CD, AppEngine, SQL, Hibernate
• Developed secure RESTful APIs with 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
CLOUD & DATABASES:	PostgreSQL, MySQL, MongoDB, Firebase, NGINX
OTHERS:	Figma, Material UI, App Engine, GitLab CI/CD, Git

PROJECTS

YORK CHAT | ReactJS, Firebase, ChatEngine.io   See Project
York chat messaging system that requires Google Authentication.
• 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
Informative system to help students navigate.
• 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
A full-stack MERN bookstore application built using Vite for fast frontend development.
• 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