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Shashank Sigdel

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Education

CUNY - York College, Bachelors of Science in Computer Science **GPA: 3.6** **Feb 2022 – Dec 2024**

CUNY - Laguardia Community College, Associate in Computer Technology **GPA: 3.4** **Aug 2020 – Dec 2022**

Technical Skills

Programming/Scripting:	Python, Javascript (JS), Java, Go, C++, HTML, CSS, SQL
Frameworks & Libraries:	React.Js, Node.Js, Flask, Django, Firebase, CloudEngine.io, Numpy, Pandas
Cloud & Databases:	MYSQL, Microsoft SQL, MongoDB, PostGres
Others:	Git, AI, Docker, Kubernetes, Data Structur and Algorithms, Language Models

Work Experience

Software Engineer - BNY Mellon, New York, NY **May 2022 – Feb 2023**

Tech Stack: Java, Springboot, RestAPI, Gitlab CI/CD, AppEngine, SQL

- Developed and maintained Java-based RESTful APIs for secure data integration at BNY Mellon.
- Automated deployment pipelines using GitLab CI/CD, leading to more efficient application delivery.
- Integrated client data into BNY Mellon's data lake, enhancing data accessibility and consistency.
- Troubleshot and optimized Java applications, improving system stability and performance.

Software Engineer Intern - AuriStor Inc., New York, NY **Feb 2024 – April 2024**

Tech Stack: ReactJS, TypeScript, Tailwind CSS, Kubernetes, Docker, Go

- Designed and developed a dashboard for a file-sharing system, leveraging ReactJS and TypeScript.
- Integrated APIs into the dashboard, collaborating effectively with backend teams.
- Utilized DSA to debug and troubleshoot application functionality, improving reliability and performance.

Software Engineer Intern – Tech Incubator At Queens College, Queens, NY **Jun 2024 - Sept 2024**

Tech Stack: JavaScript, ReactJS, HTML, CSS, Material UI, Figma

- Collaborated with cross-functional teams to design, code, and test software solutions.
- Contributed to the development of clean, maintainable, and efficient code.
- Documented development processes and maintained technical documentation.

Software Engineer Intern – York College, Jamaica, NY **Jun 2024 - Present**

Tech Stack: Python, ReactJS, Flask, SLM, LangChain, Postgres, Ollama

- Developed a scalable backend using Python, enhancing LLM functionalities with LangChain.
- Created a responsive frontend using ReactJS for user interaction with the SLM.
- Assisted in deployment and maintenance of software applications in production.
- Participated in code reviews to uphold software quality standards.

Academic Projects

York Chat | React.Js, Firebase, ChatEngine.io **See Project**

York chat messaging system that requires Google Authentication.

- Developed a real-time chat system with integrated Google authentication.
- Ensured secure communication through message encryption and robust user authentication.

Library Information System |React.Js, HTML, CSS, Netlify **See Project**

Informative system to help student navigate.

- Created a responsive single-page application providing comprehensive library information.
- Enhanced user experience by optimizing accessibility and ensuring cross-device compatibility.

ManjuShree Tailor | React.Js, HTML, CSS, Bootstrap, Netlify **See Project**

Small Business web application for advertisement.

- Developed a user-friendly single-page application to promote small business.
- Advertised the business effectively online by integrating location services.

Frequency Analysis | Python, Cryptography **See Project**

Small Business web application for advertisement.

- Developed a frequency analysis tool for decrypting text passages by analyzing character frequency distributions.
- Implemented methods to compare encrypted text against standard language frequencies to suggest possible decryption keys.