

EDUCATION

Master of Science in Computer Science *Aug 2021-May 2023*
Saint Louis University, Saint Louis, Missouri, USA

Bachelor of Technology in Computer Science and Engineering *Aug 2016 – Sep 2020*
CMR College of Engineering & Technology

WORK EXPERIENCE

Genpx Inc, Texas, USA *Jan 2023 - Sep 2024*

Full Stack Developer

- Designed and developed scalable full-stack applications using **React.js**, **Node.js**, **Express.js**, and databases like **MongoDB** and **PostgreSQL**, enhancing performance by 40% through optimized state management and efficient API design with 50+ RESTful endpoints.
- Proficient in modern development tools and workflows, including **Webpack**, **Babel**, **NPM**, **Git**, and **Jira**, with hands-on experience in state management using **Redux** and collaborating with cross-functional teams to deliver complex projects on time.

Saint Louis University *Aug 2022 – Dec 2022*

Frontend Developer

- Designed and developed dynamic **Single Page Applications (SPA)** using **React.js**, ensuring cross-browser compatibility and leveraging modern tools like **Babel** and **Webpack** for efficient builds. Enhanced user interfaces with responsive designs using **Bootstrap** and **Tailwind CSS**, and managed state effectively with **Redux** and seamless navigation via **React Router**.
- Integrated **PostgreSQL** for optimized backend data handling and actively collaborated in **Agile Scrum environments** to deliver high-quality features iteratively and on time.

Technical Skills:

- Languages:** JavaScript (ES6+), Python, HTML5, CSS
- Frameworks:** React.js, Redux, Bootstrap, Tailwind CSS, Material UI, Express.js, Flask
- Libraries:** Immutable.js, NumPy, Pandas
- Databases:** PostgreSQL, MongoDB, SQL Server, MySQL
- Backend:** Node.js, Express.js
- Tools:** Figma, Webpack, Babel, NPM, Git, Jira, Postman, AWS

PROJECTS *Aug 2021 – May 2023*

Drone Control App:

- Developed a real-time control system for drones using **Python**, **Flask**, and integrated libraries like **DroneKit** and **SITL**.
- Designed an API-driven control interface, enabling real-time drone control and precise flight adjustments.
- Technologies:** Python, Flask, REST APIs, Drone Simulation Systems.

Warfarin Dose Prediction:

- Developed an end-to-end machine learning pipeline, utilizing **Python** libraries like **NumPy**, **Pandas**, and machine learning models including **Random Forest** and **KNN**.
- Applied **RandomizedSearchCV** for hyperparameter tuning to improve model performance.
- Technologies:** Python, Machine Learning, Data Visualization.

Spell Checker:

- Developed a spell-checking application using **Python**, **Flask**, **PostgreSQL**, handling large datasets and providing accurate correction suggestions.
- Utilized **React.js** for frontend development, optimizing user experience with **Redux** for state management.
- Technologies:** Python, PostgreSQL, React.js, Agile, Scrum.

Achievements:

- Delivered a \$1.2M project under budget, leading to a 25% increase in client satisfaction through optimized full-stack development.
- Led on-ground logistics for large university events, demonstrating exceptional project management skills.