

# Shiva Khatri

[LinkedIn](#) | [GitHub](#) | [PortfolioWebsite](#) | [iamshivakhatri@gmail.com](mailto:iamshivakhatri@gmail.com) | 859-907-8967

## EDUCATION

**Northern Kentucky University** – B.S. in Computer Science | GPA – 3.6

May 2025

- Relevant Coursework: Data Structures and Algorithm, Object-Oriented Programming, Database Programming(SQL).

## EXPERIENCE

**Research Assistant** – Northern Kentucky University

May 2023 – Present

- Developed an advanced **AI** model using the open-source **GPT4ALL** for integration with the EdgeX Foundry framework.
- Integrated conversational AI with edge computing, resulting in a **60%** reduction in server workload in distributed systems.
- Implemented **multi-threaded** programming techniques, achieving system performance boost through parallel processing.

**Teaching Assistant for Python Programming** – Northern Kentucky University

Jan 2022 – May 2022

- Assisted a Professor in teaching Python to a class of **28** by evaluating exams, providing answers & delivering lectures.
- Helped students understand best coding practices, debugging & editor tools, and core concepts including arrays, pointers, **trees**, linked lists, stacks, queues, heaps, **graphs**, hash maps, algorithms, and functional programming.

**Software Engineering Intern** – Namaste Courier and Cargo

Jun 2020 – Aug 2021

- Collaborated to develop a user-friendly customer portal using **Angular** and **RESTful APIs**, enhancing user experience.
- Leveraged the **Parcel API** to integrate real-time parcel scanning functionality, reducing processing time by **15%**.
- Implemented a tracking system using the **CargoTrack API**, resulting in a **20%** reduction in delivery errors.

## PROJECTS

**Real-Estate-Price-Predictor** – Python, NumPy, Pandas, Matplotlib, Scikit-learn, Jupyter, SQL

[REPG-Github](#)

- Developed a machine learning model to predict prices based on area & rooms, achieving an accuracy of **85%**.
- Created web app using **Flask**, HTML, CSS & JavaScript for user-friendly property input and accurate price predictions.
- Leveraged **NumPy**, **Pandas**, & **Matplotlib** to manipulate, visualise, and analyse data, improving **90%** of decisions.

**Find-me** – MongoDB, Express.js, React.js, Node.js, Typescript

[Findme-Github](#)

- Developed a web app for students and professors to connect, promoting collaboration with complementary skills.
- Leveraged a **MERN** stack app with **CRUD** functionality, robust user authentication, and seamless data management.
- Utilized Express.js **APIs** for routing, handling **HTTP** requests/responses, and implementing middleware in the app.
- Stored and retrieved user notes using **MongoDB**, achieving faster data access and retrieval compared to others.

**Art-Haven** – React, Redux, Node.js, Stripe, HTML, CSS, JavaScript

[Art-Haven-Github](#)

- Developed an e-commerce site empowering customers to browse, search, and filter paintings by artist, style, & price.
- Created server-side **rendering** with Node.js for enhanced performance and **SEO** Optimization, reducing load times.
- Implemented **Stripe** payment integration with a **99.9%** success rate, ensuring reliable transaction processing.

**RSI-Based-Crypto-Trading-Bot** – Python, NumPy, CoinbaseAPI

[Trading-Bot-Github](#)

- Developed Python trading **bot** using Relative Strength Index strategy for automated **Bitcoin & Ethereum** trades.
- Utilized **WebSocket & Coinbase API** for real-time market updates & leveraged **NumPy** for efficient data calculations.

## TECHNICAL SKILLS

- **Languages:** Node.js, Python, JavaScript, Java, Typescript, SQL, C, C#, C++, Ruby, Solidity,
- **Frameworks:** React.js, Angular, MongoDB, PostgreSQL, Next.js, Redux, Express.js, Flask, Git/GitHub, Unix/Linux/Bash
- **Cloud Computing:** Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform (GCP)

## CERTIFICATIONS AND LEADERSHIP

- **Lyft(Back-End Engineering Program)** – Refactored codebase, added new functionalities and implemented test cases.
- **Bank of America(Investment Program)** – Analyzed historical financial performance, and conducted **SWOT** analysis.
- **Codepath** – Gained expertise in server construction, data structuring, **RESTful** request, authentication & deployment.