

**Richie Singh** | AI Software Engineer | +18722790905 | [richie.amornchotsingh@gmail.com](mailto:richie.amornchotsingh@gmail.com)

MS in Computer Science - DePaul University, Graduate Certificate NLP – University of Washington

GitHub: <https://github.com/richiectr360> LinkedIn: <http://www.linkedin.com/in/richieamornchotsingh>

---

### **Specialties:**

Machine Learning, Cloud Computing, Algorithms, DevOps, Computer Vision, Software Engineering, Site Reliability Engineering, Deep learning, Distributed Systems, Signal & Image Processing, Blockchain, Data Engineering, Computational Linguistics, Networking, Android, Cybersecurity, LLM, NLP, HCI

### **Select Proficiencies:**

GraphQL	Docker	TensorFlow
Node.js	Kubernetes	PyTorch
React	GCP	Scikit-learn
Next.js	AWS	spaCy
FastAPI	Azure	OpenCV

### **Recommendations:**

*“Richie was a student in my introductory computer vision course: Image Processing... Richie’s final project was clever and accomplished, showing a **cleverness and level of work that made it one of the best in the class**. Richie did non-trivial work in creating his own database of items for training his self-built neural model to recognize and classify text on business cards. **His in-class demonstration was quite remarkable.**”*

Jacob D. Furst, PhD  
Professor  
School of Computing  
DePaul University

### **Experience and Projects**

#### **RadicalX AI - 11/2023 – Present**

##### **Artificial Intelligence Software Engineer Intern**

- Collaborated with AI engineers to design and implement features on building [Gemini Flights](#).
- Implemented functionalities from Vertex AI users to interact with the AI for flight searching and booking.
- Developed and implemented backend server infrastructure with FastAPI, Swagger UI, and Uvicorn.
- Utilized SQLAlchemy for flight data storage and retrieval through schema implementation and operations.
- Worked with Front-end engineers on Lucidchart, Asana, and Github to track progress of platform redesign.
- Programmed Front-end web app functionalities from Figma with tools like Material UI, Next.js, and Redux.
- Collaborated with Back-end engineers to build API endpoints with Express.js and database with MongoDB.

#### **Shopper**

- An e-commerce store offering trendy clothing and accessories for all age groups.
- Backend: Admin Panel, JWT, Cors, Multer, MongoDB, Mongoose, Postman, Express.js, Node.js, REST API
- Frontend: React.js, HTML, CSS, Javascript

#### **Breast Cancer Predictor**

- Developed a Machine Learning web application for breast cancer prediction leveraging logistic regression algorithm, the Breast Cancer Wisconsin dataset, and tools like Streamlit, Python, Plotly, Pandas, and Pickle.