

Raj Dhillon

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PERSONAL SUMMARY

Recent Computer Science graduate with hands-on experience building full-stack applications. Driven by a curiosity to understand how every layer of a system connects, and ensuring it can run itself, and scale. Excited about joining a team where I can keep learning, share what I find out, and help bring projects to their fullest potential.

TECHNICAL SKILLS

Languages: Python, JavaScript/TypeScript, SQL, R, C++, Rust

Frameworks & Tools: React, Node.js, Flask, Express.js, React Native, Expo, Qt, fastai, Chai.js, Postman, CrewAI

Cloud & DevOps: AWS, Git, Docker, Railway, GitHub Actions, Kubernetes, Jenkins, Prometheus, Grafana

Databases: MySQL, MongoDB, SQLite, Weaviate, ChromaDB

Other: HTML/CSS, LLM APIs, AI Agents, RAG, Whisper, Arduino, Linux, Ollama, Jira, Confluence

EDUCATION

Bachelor of Science in Computer Science

June 2024

Seattle Pacific University, Seattle, WA

- **GPA:** 3.95 | **Honors:** President's List, Dean's List
- **Relevant Coursework:** Operating Systems, Data Structures, Algorithms, Computer Architecture, Netcentric Computing, Systems Design, Applications Programming, Database Management

PROJECTS

Intention – AI-Powered Relationship Manager (React Native, Flask, MySQL, OpenAI, Railway)

- Led team of 5 over 9 months to design and deploy an LLM-powered app helping users strengthen personal connections
- Built full-stack features using TypeScript (React Native & Expo) and Flask backend with OpenAI integration
- Deployed on Railway; stored and retrieved user and relationship data using MySQL
- Integrated Whisper API for multilingual voice note transcription, expanding accessibility
- Reduced summary load time by over 66% through caching optimizations, improving user experience
- Resolved intra-team issues, uplifting struggling team members to roles suitable for their strengths
- Engaged in peer programming, spotting and offering solutions for elusive bugs in troublesome code
- Stepped up to absorb key responsibilities (cloud deployment, notification system) under deadline pressure and with minimal previous knowledge, ensuring on-time delivery

MOBA Image Classifier (Python, fastai, Gradio)

- Trained an image classifier to distinguish between Dota and League of Legends using only 180 training images (~80% accuracy)
- Tuned hyperparameters and data augmentation for high performance on small datasets
- Deployed via Gradio on Hugging Face for interactive demo

CERTIFICATIONS

AWS Certified Developer Associate

May 2024

WORK EXPERIENCE

Real Estate Broker

Skyline Properties, Inc., Bothell, WA

February 2019 - Present