

# Jad Alriyabi

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## EDUCATION

### Simon Fraser University (SFU)

Jan. 2020 – Oct. 2024

Bachelor of Science in Computer Science, Concentration in AI, Minor in Business

- **Relevant Courses:** Cloud Computing, Artificial Intelligence, Data Structures and Algorithms, Cyber Security
- **Certifications:** AWS Certified Solutions Architect, Docker Certified Associate, Certified Scrum Master

## SKILLS

**Languages** Proficient JavaScript/Java (5yrs) · Python(5yrs) Intermediate Swift(3yrs) · Rust(3yrs) Beginner SQL(1yrs)

**Software** AWS · Grafana · Langchain · Docker · Kubernetes · TensorFlow · JupyterNotebook · iOS · React · Git · Bash · Linux

## EXPERIENCE

### Software Development Engineer

August 2024 - Present

ABSOLUTE SECURITY

Seattle, Washington

- Created 6+ web services for AI chatbot cutting cloud costs by 10% for 13 million endpoints.
- Improved QA efficiency to write tickets by 45% by developing an internal LLM tool using TypeScript, PyTorch, and React, demonstrating expertise in creating maintainable full-stack solutions and a permanent role on the AI team.
- Reduced deployment time by 14% by designing and implementing CI/CD pipelines for API integrations, ensuring secure version control practices.
- Incorporated 5+ custom AI solutions into user facing web applications serving over 20K users and delivering 99.9% uptime using React, Kubernetes, Pytorch and Python.

### AI Software Engineering Resident

June 2024 - Present

HEADSTARTER

San Francisco, CA

- Built 14+ machine learning, AI-engineering and full-stack projects in fast-paced software team environments.
- Developed 5+ neural networks in Python, 11 apps in Typescript on AWS with development & production environments.
- Implemented llm-chaining, hyperparameter tuning, fine tuning on 10+ LLM models controlling for latency & accuracy.
- Coached by Google Machine Learning, Google Kubernetes, Two Sigma, Tesla, Figma and Citadel Engineers.
- Created 321+ commits on github with 7-day deadlines getting a Career Capital increase of 55% from start date.

### Technical Program Manager Intern

January 2024 - Aug 2024

ABSOLUTE SECURITY

Vancouver, BC

- Served as Scrum Master for 3+ feature teams by leading scrum sessions, implementing project management skills to facilitate sprint planning sessions using Jira and Asana, leading to successful product releases.
- Participated actively in technical meetings, bringing teams perspectives to engineering management decisions

### Software Development Engineer

April 2023 - April 2024

SIMON FRASER UNIVERSITY MSA

Vancouver, BC

- Implemented scalable user authentication system for a library inventory management system using React and DynamoDB, providing a secure and seamless user experience to over 1500 monthly users.
- Attracting 2500+ monthly new users by improving front-end infrastructure using React, JavaScript and CSS.

## AI PROJECTS

### US-Bank Churn Prediction | Team Project (~30 hours) - [GitHub Link](#) - [Live App Link](#)

Jan 2025 - Feb 2025

- Achieved 99% percent accuracy using 30k+ data set, Llama 3.1b, XGBoost, Random Forest, Groq, AWS, Python and Vercel to predicting when banking customer quits.
- Utilized 5 LLM models to implement a end-to-end solution complete with sending automated personalized email to banking customer based on feature engineering, normalization, model training, evaluating and hyperparameter tuning the AI.

### Brain Tumor Classification | Open-Source 166 stars (~10 hours) - [GitHub Link](#) - [Live App Link](#)

Nov 2024 - Dec 2024

- Classified 1000+ MRI scans into 3 types of possible brain diseases using sklearn, streamlit and python with AI model.
- Generated multimodal MRI reports in under 200MS for neurosurgeons after image classification, construction & training.

### Developer Coach AI | Published Web-App 1.6K Users (~40 hours) - [GitHub Link](#) - [Live App Link](#)

Sep 2024 - Oct 2024

- Achieved \$1000 in revenue by developing the front-end (React, Next.js) and back-end (Node.js, Firebase) of the AI chatbot that is designed to coach developers to land a 6-figure job web app, deploying on AWS S3 to ensure CI/CD.

## Activities

AI Blogs - Published 3 blogs on AI experiments and trade offs with inference / tuning on Medium

Oct 2024 - Present

AI Absolute Hackathon Winner - Top-3 in vetted hackathon winner after building a LLM to streamline QA processes.

Dec 2024

Technical Keynote - Presented to software engineers on inference and neo4j databases for embeddings

Nov 2024