

Syed Ahmed

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EDUCATION

Wilfrid Laurier University
Bachelors of Computer Science

Waterloo, Canada
Dec 2025

WORK EXPERIENCE

Head of Data Analytics & Systems

Fawaz Central (June 2024 - Sept 2025)

- Created an AI-powered analytics dashboard showing key KPI's for each department and relevant visualizations, increasing of clarity surrounding data
- Ran A/B Marketing tests to optimize funnel conversion rate, leading to a 10% increase in calls
- Leveraged Zapier, n8n and GoHighLevel to create AI automations to increase efficiency within the team
- Created and presented weekly analytics reports to key Stakeholders

VP of Technology

WLU Muslim Students Association (June 2023 - April 2025)

- Led a team of 7 to create wlumsa.org using popular technologies such as NextJS, Typescript, and Tailwind CSS for an organization of 1500
- Optimized database queries and utilized caching techniques, resulting in a 300% reduction in our PostgreSQL database
- Incorporated server-side rendering to improve webvitals, and SEO, increasing traffic to website by 200%
- Utilized Stripe API to incorporate payments, resulting in a 10% increase in donations
- Collected and analyzed data about key metrics regarding the club such as Event Signups: attendee ratio, Website traffic acquisition, community feedback and more to improve operations & report to stakeholders

IT Administrator & Service Desk Communications Coordinator

Ministry of Health (Sep 2023- Sep 2024)

- Automated report generation for managers using Jira API and JQuery and configured Jira workspace.
- Collaborated with a 12-member team to deliver IT solutions to 10,000+ Canadians in Ontario.
- Managed task delegation via Jira and documented workflows in Confluence to improve team efficiency and knowledge sharing.

Projects

Roadmap GPT

2025

- Built Roadmap-GPT, an AI-powered learning assistant that generates personalized learning roadmaps
- Built RAG system using Claude 3.7 Sonnet, OpenAI embeddings, and Pinecone to ground AI responses in GitHub resources for accurate, actionable learning roadmaps.
- Designed and implemented a scalable vector-based search system to match user queries with the most relevant learning materials from a curated corpus.
- Engineered a seamless authentication flow with Clerk and optimized real-time state management using Upstash Redis for session handling and progress tracking.

AI Voice Interview Agent

2025

- Created an AI interview app to help individuals ace technical and behavioural interviews
- Utilized open ai's realtime and whisper models to provide support for multiple modalities creating a seamless UX

Heart Disease Predictor

2025

- Performed EDA on a dataset with 10000 records and 21 features, to draw key insights and relationships
- Utilized multiple machine learning and deep learning techniques such as Logistic Regression, Neural Networks, and Random Forests to predict the likelihood of a patient being at risk of heart disease.
- Evaluated and optimized the models across a variety of metrics, such as accuracy, precision, f1 score and recall
- Deployed the best-performing model using Docker and a FastAPI server and created a frontend for users to interact with the model.

Technical Skills & Certifications

Languages: Typescript, Python, HTML/CSS, SQL/NoSQL

Frameworks: Nextjs, React, Django, FastApi, Nodejs

Developer Tools: Git, Vscode, Fedora Linux, AWS, Azure, Google Cloud

Libraries: TailwindCss, GraphQL, Pandas, Numpy, Tensorflow

Certifications: Data Literacy (Datacamp), Machine Learning Specialization (MIT, and Deeplearning AI)

