FARAZ HASHMI

MACHINE LEARNING ENGINEER

CONTACT

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- London, Ontario, Canada

SKILLS

Machine Learning

Computer Vision

Natural Language Processing

Python, C#, Angular

MS SQL Server, IBM DB2, MySQL

ML Flow

AWS CI CD pipelines

Github, Bitbucket, SVN

Team coordination and leadership

Performance optimization

EDUCATION

Master of Science in
Machine Learning and AI
Liverpool John Moore's University
2020-2022
Ranked#1 for Top Performers awards and
secured GPA 4/4.

Bachelor of Engineering in
Electronics and Communications
Rajeev Gandhi Technical University
2016-2018
Received honors degree by securing 79%

PROFILE

Machine learning engineer having 4 years of experience in developing end to end AI applications. Before AI, worked as a senior .NET developer for 13 years specializing in full stack application development.

Work experience across diverse geographies and cultures including India, USA and Canada. Highly praised by every client throughout these years with key strengths being technical adaptability and work ethics.

WORK EXPERIENCE

Senior Analyst - Software Engineering

DXC Technology - Canada   2022-2024

- Developed a proprietary small business insurance product from scratch that is currently bringing approximately $25M in earned premiums each month.

- Designed and developed a machine learning based model to identify an auto insurance claim being fraud or not. Libraries used - NumPy, Pandas, PyYAML, Python_Box, SciKitLearn, imblearn, Flask. The model is live and is referred by claim adjusters.

- Designed and developed a computer vision based model to look at accidental car images and identify and estimate the damage. Libraries used - NumPy, PyYAML, Python_Box, Pillow, TensorFlow Model needs updates with requirements to access damage on a video.

- Designed and developed a Large Language Model (LLM) to summarize the declarations page of an insurance document. Also, developed similar model to summarize state insurance forms. Libraries used - PyTorch, ensure, HuggingFace transformers, BERT base NER, rouge_score NER identifies person, address, coverages, limits and premiums. Summarizer summarizes long forms and declaration document.

- Tracked all model experiments using MLFlow.

- Deployed models and created AWS CI CD pipelines.

Professional Application Engineer

DXC Technology - USA   2014-2022

- Worked with several clients for development of various enterprise applications in insurance domain.

- Developed various POCs for use of AI in insurance domain (like chatbot, customer churn predictor).

- Developed excellent relationship with customer based on exceptional performance which helped bring more contracts to the company.

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CERTIFICATIONS

- Associate in Insurance
  The Institutes - USA

- Microsoft Certified Application
  Developer
  Microsoft - India

ACHIEVEMENTS

Won Employee of the Quarter award

Won Property and Casualty gems award

Several 'Key to Success' awards

Captain of cricket team in DXC
tournament

LANGUAGES

English ━━━━━━━━━━━━━━━

Hindi ━━━━━━━━━━━━━━

WORK EXPERIENCE

Some individual projects to mention

Self Development   2020-2024

- Designed and developed a Machine Learning Framework that trains several ML
  models on a subset of data and picks up the best model based on given
  configurable metric.

- The identified best model is then trained on full dataset. It utilizes the
  regularization and cross-validation techniques to result in a generalized model.

- All the hyperparameters are also configurable and so fine tuning can be
  performed once a model is finalized.

- Modular programing was done to support easier maintenance and it also makes
  use of MLFlow to track experiments.

- This framework supports both - classification and regression - and so has
  proven to be great to perform quick POCs.

Senior Software Developer

DXC Technology - India   2009-2014

- Design .NET core MVC applications.

- Gather requirements from client, design, code, test, and perform retrospective in
  an agile environment, delivering results in two-week sprints.

- Design and architect a framework to house next generation web applications.
  This framework was so versatile, that team members can just plug and play web
  apps to it.

- Analyze Systems for complex performance issues and work on improving
  performance.

- Subject Matter Expert (SME) on DXC's proprietary insurance product 'Exceed'.

- Share technical expertise with team members by mentoring them in weekly
  sessions.

Software Engineer

Tech Mahindra - India   2007-2009

- Understand and analyze the technical specifications and suggest code
  optimization ideas.
- Develop software code as per specifications.
- Ensure error free product delivery to client.

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DEAR HIRING MANAGER,

I am writing to express my interest in the [Position Title] role at [Company Name].

With 4 years of specialization in machine learning and a total of over 16 years in software development, I am confident in my ability to bring significant value to your team.

My journey in software development began during my high school years, and after completing my bachelor's degree, I spent 9 years as a software engineer in India. Since 2014, I have worked with various clients in the US, and also pursued my masters in machine learning and AI during this time. Since 2022, I have been doing AI development in Canada.

Throughout my career, I have consistently received recognition for my quick adaptation to new technologies and my efficient problem-solving skills. I am eager to discuss how my experience aligns with the needs of your team.

Please feel free to contact me to schedule a discussion. I am enthusiastic about the opportunity to contribute to your company's success.

Thank you for considering my application.

SINCERELY,

FARAZ HASHMI