FARID FARHAT

NZ Permanent Resident, Class 1 Full License, Qualified Trade (Site Safe, First Aid)

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343 Cashel Street, Christchurch Central

PROFILE SUMMARY

A professional, responsible, optimistic, and adaptable person who is an enthusiastic learner and committed to performing to a high standard. Driven by ambitious goals and dreams, I always strive for a demanding role that push me out of my comfort zone. My strength lies in effective communication, positive mindset, and adaptable approach. This provides me with positive energy to work in a multi-cultural and demanding environment.

CORE COMPETENCIES

Water resources | Climate change
Python programming language | Data science
Geographic information systems | Technical aptitude

PORTFOLIOS

Developed a Jupyter book on how to access/bias correct climate models remotely – **link to the book**

Summary of my profile at United Nations Office for Outer Space Affairs – **link to profile**

Created an image classifier repository that can be used to train/predict image dataset. User can specify input data and hyper-parameters of an algorithm from command line interface then the program automatically start training – **link to repository**

TECHNOLOGY

Engineering Softwares

- MIKE | HEC-HMS | HEC-RAS | SWAT | SWMM | Auto CAD | Civil 3D |

Geospatial Softwares

- Arc GIS | QGIS | Google Earth Engine

Programming Softwares

- Python | Structured Query Language (SQL) | Java Latex

PROFESSIONALISM

- Solid work ethic, honest, reliable, and committed to best possible performance – give 100%
- Comfortable working independently
- Resilient, confident in dealing with challenges, work well under pressure, and able to resolve issues well
- Multitasking and detail-oriented

PROFESSIONAL EXPERIENCE

MACHINE OPERATOR | KRAFT HEINZ WATTIE'S
May 2024 – July 2024
Responsibilities

- Setting up packing machines in frozen packing department
- Monitoring and repairing mechanical components of machines
- Product labelling, quality assurance
- Reporting quality control checks of products to supervisor

HYDROLOGICAL MODELING SPECIALIST | UNICTI
Dec 2021 – Dec 2022 (Remote/Full-time)
Responsibilities:

- Climate modeling (RCM and GCM): application and methodologies
- Hydrological modeling: application and methodologies
- GIS mapping: application and methodologies
- Application of present and future climate variables and indices required to perform hydrological modeling and GIS mapping
- Data collection and processing: open source data from models, satellites, remote sensing and other sources, collected and generated data
- Climate and natural disaster risk and vulnerability: mapping and analysis

HYDRAULIC ENGINEER | TABISH OMID CONSTRUCTION COMPANY (TOCC)
Feb 2018 – Sep 2019
Responsibilities:

- Surveyed water supply and drainage networks
- Conducted hydraulic design of water supply pipelines drainage network
- Developed work plans and scheduled project activities
- Prepared project reports

COMMUNITY AND VOLUNTEER EXPERIENCE

PROGRAMMING INSTRUCTOR | ST MARGARET COLLEGE
Jan 2024 – present
Responsibilities:

- Instructing python programming language to students
- Preparing lesson plans and presentations
- Assisting students with software installation and other technical matters

TAG SPOTTER | CHRISTCHURCH CITY COUNCIL
Oct 2023 – present
Responsibilities:

- Reporting graffiti and vandalism incidents throughout the city
- Attending regular training for volunteers

MEET YOUNG PROFESSIONAL | UNITED NATIONS OFFICE FOR OUTER SPACE AFFAIRS
Apr 2023 – Present (Remote/Part-time)
Responsibilities:

- Providing technical guidance on processing of hydro-meteorological datasets from satellite and remote sensing sources
- Sharing expertise on hydrological modeling and machine learning techniques for monitoring extreme events
- Providing technical guidance on bias correction and downscaling of rainfall and temperature from climate models

- Analytical and critical thinker with strong problem solving abilities
- Time management, planning, prioritisation, and delegation skills
- Excellent literacy and numeracy skills

RELATIONSHIP MANAGEMENT

- Collaborator, work within a team to ensure objectives are met and readily assist when needed
- Work well with people from diverse backgrounds
- Compassionate and empathetic
- Active listener
- Provide and receive constructive feedback

REFEREES

Susan Rendall
Volunteer Manager at Christchurch Transitional Cathedral
03 353 7883
volunteers@christchurchcathedral.co.nz

Sarah Zyskowski
Red Cross Support Worker
027 257 2494
sarah.zyskowski@redcross.org.nz

Ankita Sood
Urban planning and disaster risk reduction specialist at UNICITI
+91 97817 72838
asood@ar.iitr.ac.in

CAMPER | INTERNATIONAL WATER ASSOCIATION
Feb – Jul 2021 (Remote/Part-time)
- Participated in Danish conferences and IWA digital congress 2021
- Completed courses under several themes: drinking water, wastewater treatment and climate change adaptation
- Achieved Completion Certificate and IWA Digital World Water Congress Certificate

EDUCATION

NZ Certificate in Plumbing, Gasfitting and Drainlaying (Level 3)
- Department of Trade, Ara Institute of Canterbury | July 2024 – Present
  Training in site safe, first aid, tools

Master of Science in Water Resources Engineering and Management
- University of Moratuwa, Sri Lanka | NZQA Recognised Oct 2023

AI Programming with Python (Nanodegree)
- School of Artificial Intelligence, UDACITY | 2023

Bachelor of Science in Civil Engineering
- Department of Civil Engineering, Kabul University | 2014 – 2018

AWARDS

Amazon Web Services AI and ML Scholarship | Jul 2023
- Competed with other students in AWS deep racer platform and was awarded scholarship that funded tuition fee for Nanodegree at UDACITY - AI Programming with Python

World Water Camp Scholarship | Feb 2021
- Scholarship awarded by IWA that funded registration expenses for the camp's course and IWA digital world water congress 2021

South Asia Foundation Scholarship | Nov 2019
- Fully funded scholarship to pursue M.Sc. in Water Resources Engineering and Management at UNESCO Madanjeet Singh Center for South Asia Water Management, University of Moratuwa, Sri Lanka