MUHAMMAD ARSHMAN KHALID

Melbourne, Australia   **|**   arshman.khalid10@gmail.com   **|**   +61 424 726 060   **|**   linkedin.com/in/arshmankhalid

Meticulous Data Scientist with a background in Software Engineering and Statistics. Equipped with ICT industry knowledge in cloud technologies, databases, UX design and business intelligence. Dynamic professional with experience working in an agile environment and utilising advanced technologies to solve business-related problems. Well-versed in gathering requirements using human centred design and UX principles, translating business requirements into technical specifications, building, and maintaining relationships with stakeholders.

WORK EXPERIENCE

Data Scientist - CSIRO DATA61, Melbourne   *(Nov 2020- Dec 2021)*

- Experience in the development of predictive Machine Learning tools for multi-scale, multivariate data.
- Developed workflows for exploring, pre-processing and manipulating large image datasets through Machine Learning applications and programming interfaces.
- Developed Python scripts using statistical models to assimilate hard data on rock composition and rock properties and diverse imaging and micro-analytical data types from multiple sources into training and prediction workflows.
- Used CSIRO HPC and cloud-based facilities for managing and processing large datasets.
- Worked effectively as part of a multi-disciplinary, often regionally dispersed research team, to carry out associated tasks under the guidance of more senior Research Scientists / Engineers.

Full Stack Developer - Conrad Labs, Pakistan   *(Jul 2019- Jan 2020)*

- Handling all verbal and written communications between hosting companies, clients, and vendors.
- Documented, coached, and elicited business requirements from cross-functional stakeholders by writing user stories and acceptance criteria, resulting in a clearer, detailed, and complete understanding of project deliverables.
- Operated in an agile environment to deliver product and business value through product backlog prioritization, well-specified user stories, sprint planning in JIRA, retrospectives, and daily stand-up facilitation.
- Designed test cases, and conducted over 3 types of testing including regression, integration, performance, and user acceptance testing against the acceptance criteria to verify the client's needs.
- Integrated third party API from a secure server to fetch data, received in JSON format and dumped into Power BI to generate reports and insights.

TECHNICAL SKILLS

Reporting Technologies: Tableau, PowerBI, Microsoft Excel, Matplotlib, Jupyter, Google Data Studio
Databases: Alteryx Designer Core, MySQL, SQL Server, Couchbase, MongoDB
Languages: R, Python, C++, Unix Shell, Scala
Cloud Technologies: AWS, Nectar, Spartan

EDUCATION

The University of Melbourne, Australia
Master of Data Science (2022)

University of Management and Technology, Pakistan
Bachelor of Science in Software Engineering (2019)

Northeastern University of Illinois, USA
Undergraduate Exchange Student (2018)

Tianjin Polytechnic University, China
Undergraduate Exchange Student (2017)

References provided on request