

Arish Acharya

Data & Software Engineer

Results-oriented with a proven track record of delivering projects on time and within budget, from corporate to university settings. Skilled in data analysis, software development, and user interface design. Passionate about leveraging technology to positively impact lives and automate processes. A lifelong learner, I'm not afraid to speak up for change and drive innovation.

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KEY ACCOMPLISHMENTS

Successfully automated lap counting and visualization for Austriathlon within the deadline reducing manual effort by 100%.

Successfully led the implementation of an Enterprise Resource Planning (ERP) system, enabling Nepal Oil Corporation to become the first government agency to achieve paperless operations within the specified timeframe.

Enhanced operational efficiency at Shoes and Sox ACT, resulting in a 5% budget reduction through strategic scheduling adjustments during periods of low customer traffic on Fridays.

EDUCATION

Master of Data Science University of Canberra

08/2022 - 06/2024

Major

- Project Management
- Business Intelligence
- Machine Learning
- Database Systems

Bachelor of Computer Networking and IT Security (Honors)

London Metropolitan University

09/2017 - 05/2020

WORK EXPERIENCE

Data Analyst Intern AusTriathlon

03/2024 - 07/2024

Canberra, Australia

Achievements/Tasks

- Successfully automated race lap calculations, metric analysis, and data visualization, eliminating manual processes and significantly reducing analysis time. This allowed coaches to access timely insights, enhancing athlete performance preparation for the Olympics.

Information Technology Support Engineer Nepal Oil Corporation

11/2020 - 11/2021

Kathmandu, Nepal

Achievements/Tasks

- Worked closely with project managers and stakeholders to lead cross-functional teams in configuring networks across all branches nationwide, ensuring consistent and efficient implementation.
- Provided remote technical support, resolving network issues and documenting IT systems to maintain operational efficiency and facilitate disaster recovery.
- Customized SAP B1 to align with specific organizational requirements and executed SQL queries to optimize system performance and improve overall efficiency.

PERSONAL PROJECTS

Mental Health Platform (10/2024 - Present)

- Full-Stack Application Development with the vision to support people with mental health problems using React for frontend, Firebase for backend and Material UI for UI/UX.

Finance Management

- Developed a full-stack web application to assist users in effectively tracking their finances. Leveraged React frontend and Firebase for scalable backend services. Implemented testing using Jest and CI/CD pipelines with Jenkins.

Dog Breed Detector

- Web Game where users guess dog breeds from multiple options. Build on React, AWS RDS for storing scores, Node.js for backend and CI/CD from Github to AWS.

Paldip.com

- Fixed bugs, integrated Firebase for user authentication and backend.

SKILLS

Programming Language

Python

Javascript

R

Frontend Framework

React

Material UI

Chakra UI

Backend

Node.js

Firebase

REST APIs

Amplify

Database

AWS RDS

MySQL

SQLite

Cloud

AWS

EC2

S3

Glue

Redshift

CI/CD

Jenkins

AWS CodePipeline

Testing: Jest

Agile Methodologies

Scrum

Jira

Confluence

Problem-Solving

Critical Thinking

Communication

BOOTCAMPS & CERTIFICATIONS

MODIS Microsoft Bootcamp

Study Australia Industry Experience Program

Our team consulted and assisted Wholefoods Plantbased Group expand its domestic reach in Australia.

Microsoft Azure Fundamentals (AZ-900)

INTERESTS

Dogs

Hiking

Trekking

Coffee

REFERENCES

On Request