

# Nisirui n

Dublin, Ireland +353 87 135 3432 [annisirui@outlook.com](mailto:annisirui@outlook.com) [LinkedIn](#) [nisirui.com](https://nisirui.com)

## SKILLS AND CERTIFICATIONS

**Certifications:** AWS Certified Cloud Practitioner

**Programming:** Python, SQL, JavaScript, HTML, CSS

**Technologies:** Git, Linux, Docker, AWS Services (S3, Lambda, EC2, DynamoDB, etc), Power BI, Tableau, Microsoft Office Suite

## EDUCATION

### University College Dublin

Dublin, Ireland

*MSc Information Systems*

Sep 2023 – Dec 2024

Key Modules: Relational Databases & Information Systems, Quantitative Data Analysis, Machine Learning, Informatics, Foundations & AI, Ethics & Auditing

### Xi'an University of Architecture and Technology

Xi'an, China

*BEng Landscape Architecture*

Sep 2018 – Jul 2023

## PROJECTS

### Personal Website Python, DynamoDB, Lambda, API Gateway, S3, CloudFront, Javascript, HTML, CSS

Developed a personal site using **HTML**, **CSS** and **JavaScript**, deployed on **S3** and served with **CloudFront**.

Implemented a **visitor counter** using JavaScript, DynamoDB, and an API built with API Gateway and Lambda

Used Python and the Boto3 library to write **Lambda** functions for database interactions and integrated tests.

### News Classification ML project Python, Pandas, Numpy, PyTorch, Scikit-learn, Seaborn

Processed 100k+ news entries using Pandas and NumPy and improved data quality for ML model training.

Trained models (Random Forest, Naive Bayes, CNN) with PyTorch, achieving **85% accuracy** via hyperparameter tuning and integrating transformers for NLP tasks.

Visualized data and model metrics with **Matplotlib** and **Seaborn** which uncovered trends for complex categories.

## EXPERIENCE

### Data Analyst

Feb 2025 – Present

*Peropyx*

Dublin, Ireland

Verified mapping data for critical navigation applications and ensured navigation routes and point of interests (POIs) were accurate and reliable.

Identified and resolved discrepancies in machine learning (ML) generated responses which **significantly reduced model error rates**.

Carried out **ISO-certified Standard Operating Procedures** and maintained rigorous quality standards for data processing workflows.

### GIS Data Analyst Intern

May 2022 – Jul 2022

*Shaanxi Institute of Urban Rural Planning and Design*

Xi'an, China

Created dynamic dashboards with **Power BI** and presented actionable insights that improved resource allocation efficiency using PowerPoint.

Built 3D regional models with **ArcGIS** and designed **street optimization plans** using traffic flow data.

Collaborated with team members to develop detailed reports with optimized regional plans resulting in clear and actionable recommendations for government agencies.

### Data Analyst Intern

May 2020 – Aug 2020

*TAL Education Group*

Xi'an, China

Scraped TikTok shops data using **Python** scripts, and created shop comparison dashboards with **PowerBI**.

Increased unique website visitors by identifying and analyzing high-impact keywords from **2,000+ trending TikTok video titles**.

Collaborated with data engineers to develop automated data pipelines and data cleansing scripts, resulting in **improved data quality** for a machine learning model that analyzes TikTok advertisement performance metrics.