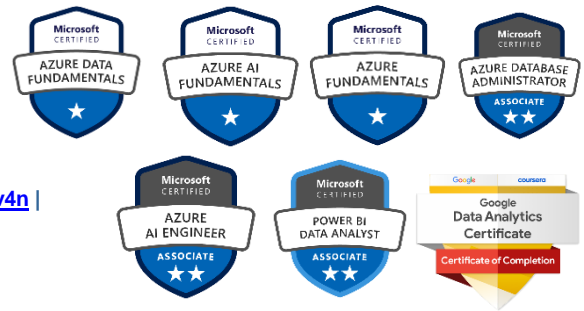


YUVANSHANKAR AZHAGUMURUGAN

Darwin, NT 0810 | 0403040160 | ayuvanshankar@gmail.com | <https://github.com/7uv4n> | www.linkedin.com/in/yuvanshankar-azhagumurugan



PROFESSIONAL SUMMARY

Articulated Data Science Student intern, with expertise in Data and Analytics, Data Engineering and Cloud Technologies. Proficient in Data Analysis using Power BI, Tableau, Python and Microsoft SQL Server with strong background in Machine Learning, Data Management and Data Visualisation. Currently completing a Master of Information Technology (Software Engineering). Presently seeking opportunities in Data Analysis, but open for any ICT technologies.

TECHNICAL SKILLS

- **Documentation:** Microsoft Word, Confluence
- **Low Code Application:** Oracle APEX, Bootstrap Studio, PowerApps
- **Data Analytics and Visualisation:** Power BI, Tableau, Python, Excel, R
- **Data Engineering:** Python, Azure Data Studio, SSMS, SSIS, PL/SQL, PySpark
- **Artificial Intelligence:** LLMs, Generative AI, Machine Learning, Deep Learning systems
- **Python Frameworks & Libraries:** Flask, Django, OpenCV, Pandas, Scikit-learn, FastAPI, PySpark
- **Software Engineering:** MVC, GraphQL, ITIL
- **Testing & QA:** JMeter, Pytest, Selenium
- **User Interface Design:** Figma, Adobe XD, Canva, Bootstrap Studio, PowerApps
- **Cybersecurity:** Nmap, Metasploit, Kali Linux, BurpSuite, Nessus
- **Multimedia:** Video Editing, Photoshop
- **Internet of Things:** Embedded C, MicroPython, Microcontrollers
- **Full-stack Development:** HTML, CSS, Flask, Django, FastAPI, C#, ASP.NET, Docker, Javascript
- **Programming Languages:** Python, C/C++, Java, C#
- **Version Control:** Git, GitHub
- **Administration Tools:** JIRA, Microsoft Project, MS Office (Word, Excel)
- **Integrated Development Environments (IDEs):** Eclipse, Visual Studio Code, Anaconda Prompt, Jupyter Lab
- **Databases:** MySQL, Oracle SQL, PostgreSQL, Microsoft SQL
- **Web Scraping:** BeautifulSoup, Selenium
- **Cloud Platforms:** Microsoft Azure, Google Cloud Platform

WORK HISTORY

Data Science Student Intern Charles Darwin University

October 2024 – (Ongoing)
Darwin, Australia

- Primarily assisted the Director of Planning and Performance Team, with various data request queries, from the university, in **agile methodology approach**, primarily using Jira.
- Performed **Business Analysis** tasks to identify the business needs and work with stakeholders to design and implement solutions using Microsoft SQL Server and SSMS
- Worked on **creating documentation** using Confluence, to document various procedures in the team, related to Data Analysis, Reporting and Business Analysis
- Utilised Microsoft Excel, Microsoft Power BI and Tableau to create **Data reports and Visualisations**.
- Worked on **conducting surveys using Qualtrics** for student perception analysis.
- Followed a **Data Governance Release Procedure** to help with Data request queries.
- Worked on **Power Automate** to acquire Form queries and send automated emails.

Consultant, Data and Analytics Aurecon

September 2023 – September 2024
Darwin, Australia

- Worked as Consultant at Data and Analytics division predominantly working on **Data Engineering Activities** with tools like Python, Dockers, Azure, Jupyter Notebooks in **agile methodology**, predominantly using Gitlab.
- Utilised technologies such as **Containerization (Dockers), Git, Data Science Language and Notebooks**
- Utilised methodologies like **Data cleansing and Data Transformation** for Data Engineering purposes
- Experience in **Database Administration**, with Data Modelling using Microsoft SQL Server, Azure Data Studio and relevant Database skills.
- Familiarity in **Data Presentation Techniques** using Power BI

Data Officer
Northern Territory Government

June 2023 – July 2023
Darwin, Australia

- Worked as Data officer with Office of Digital Government, within Department of Corporate and Digital Development, under Student Vacation Program
- Created information request form for capturing enquiries and intelligence gathered by the team
- Developed data template for standardising corporate telecommunications data
- Drafted first version of Telecommunication Data Governance Framework and undertook simple data quality activities

Senior Analyst
Ernst & Young LLP

July 2022 – Jan 2023
Chennai, India

- Worked in various technologies related to Data Science, Machine Learning, majorly with Python.
- Developed capstone Machine Learning web application projects using FastAPIs
- Worked on Docker technologies
- Utilised Database systems like MySQL and Microsoft SQL for data storage.
- Worked on Microsoft Azure Platform cloud platform with official certifications
- Developed capstone projects with PySpark
- Experienced with Microsoft's Power BI

Summer Intern
Ernst & Young LLP

Feb 2022 – July 2022
Chennai, India

- Worked as a Summer Intern at Data Analysis in Technology consulting. Acquired certifications and training required for Senior Data Analyst role at EY

EDUCATION / CERTIFICATIONS

- **Master of Information Technology (Software Engineering)** **Feb 2023 - November 2024**
Charles Darwin University, Casuarina NT 0810, Northern Territory, Australia
- **Bachelor's degree: Computer Science and Engineering** **June 2018 - June 2022**
B. S. Abdur Rahman Crescent Institute Of Science And Technology, Tamil Nadu 600048, India
- [Oracle APEX: Foundations](#)
- [Oracle SQL Databases Specialisation](#)
 - Oracle Database Foundations
 - Oracle Database Platform
 - Oracle SQL Basics
 - Oracle SQL Proficiency
- [Oracle Cloud Infrastructure Foundations](#)
- [Geospatial Analysis with ArcGIS](#)
- [Microsoft Certified: Power BI Data Analyst Associate](#)
- Microsoft Business Analyst
 - Requirements Gathering in Business Analysis
 - Data for Business Analysts Using Microsoft Excel
 - Business Analysis Fundamentals
 - Data and Business Process Modeling with Microsoft Visio
 - Project Delivery in Business Analysis and Capstone Project
 - Power Platform in Business Analysis
- [Google Data Analytics Professional](#)
 - Foundations: Data, Data, Everywhere
 - Ask Questions to Make Data-Driven Decisions
 - Prepare Data for Exploration
 - Process Data from Dirty to Clean
 - Analyze Data to Answer Questions
 - Share Data to Answer Questions
 - Share Data Through Art of Visualization

- Data Analysis with R Programming
- Google Data Analytics Capstone: Complete a Case Study
- AZURE CERTIFICATIONS:
 - [Microsoft Certified: Azure Fundamentals](#)
 - [Microsoft Certified: Azure AI Fundamentals](#)
 - [Microsoft Certified: Azure Data Fundamentals](#)
 - [Microsoft Certified: Azure AI Engineer Associate](#)
 - [Microsoft Certified: Azure Database Administrator Associate](#)
- [Foundation C# with Microsoft](#) (Microsoft and FreeCodeCamp)
- Microsoft SQL Server 2022 Essential Training (LinkedIn)
- SQL Server Integration Services (LinkedIn)
- SQL for Data Analysis (LinkedIn)
- The Python Certification Course (Udemy)
- Advanced Python: Working with Data (LinkedIn)
- C++ Essential Training (LinkedIn)
- Cyber-security and the Internet of Things (Coursera)
- Intro to Service Management with ITIL® 4 (LinkedIn)
- Video Editing with Adobe Premiere Pro (Udemy)
- PHP and MySQL (IIT Bombay)
- Java (IIT Bombay)
- Blockchain Basics (Coursera)
- Data Science Foundations: Fundamentals (LinkedIn)
- Generative AI: Working with Large Language Models (LinkedIn)

PATENTS

1. ***A System And Method For Remote Controlling A Plurality Of Appliances:*** Created an smart home system to help people with disabilities like Paraplegia (**Application number:** 202241045334; **Date of filing:** 09/08/2022).

(Kindly visit this website to refer to the patents mentioned above: <https://ipindiaservices.gov.in/publicsearch>, as these patents are filed in India)

AWARDS

- **Academic Excellence Award at IT Code Fair 2024** for excellence in course 'Security Assessment in Software Development
- **Business Innovation Challenge - Honourable Mention at IT Code Fair 2024**
- **Data Science Challenge - Honourable Mention at IT Code Fair 2024**
- **Research Challenge - Honourable Mention at IT Code Fair 2024**
- **Business Innovation Challenge Runner Up at IT Code Fair 2023**
- **Honourable mention - Govhack 2023** for our proposal on "ScienceNT -> Supporting remote communities with Scientific Newsletters"

LANGUAGES: English (Bilingual Proficiency), Tamil (Native Proficiency), French (Elementary Proficiency)

LICENSES: NT Driving License, OCHRE Working with Children Check

REFERENCES

Penny Szybiak
 Director – Planning and Performance
 Charles Darwin University, Darwin, Australia
Penny.Szybiak@cdu.edu.au
 08 8946 6625

Bharanidharan Shanmugam
 Senior Lecturer - Information Technology
 Charles Darwin University, Darwin,
 Australia
bharanidharan.shanmugam@cdu.edu.au
 08 8946 7581

Nare Vellela
 Data Migration Lead | Senior
 Technical Analyst
 DialogIT Darwin | Northern Territory
nare.vellela@nt.gov.au
 T: 08 8999 1521 | M: 0466 650 401