ROSA PHAM

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Education

University of South Australia

Post-Graduate Diploma of Data Science
Adelaide, South Australia
Aug 2022 – Apr 2024

University of Sciences

Bachelor of Information Technology
Ho Chi Minh, Vietnam
Sep 2004 – Jul 2008

Employment History

Ehrenberg-Bass Institute, University of South Australia

Data Science Research Assistant
70 North Terrace, Adelaide SA 5000
Oct 2022 – Sep 2023
Responsibilities:
- Extracting data based on specified patterns and storing data in Snowflake using Python.
- Employed Python to perform extensive data cleaning tasks, such as resolving missing values, rectifying misspellings, ensuring data consistency; optimised data quality and increased data accuracy.
- Building a user-friendly chatbot for the Institute's website using Python and React, leveraging the power of Azure OpenAI and Azure Cognitive Search.
- Developing an interactive application centered around the 'NBD-Dirichlet Model of Consumer Buying Behaviour' using Streamlit, enhancing understanding and accessibility for users in business and research teams.

Self-employed

Freelance software developer
Ho Chi Minh, Vietnam
Jun 2012 – Sep 2016
Responsibilities:
- Using Java, Android SDK to develop 'Photo Frames' and 'Photo Water Reflection' applications for smart phones.
- Using Java, Android SDK to develop 'Kids Learning' application for smart phones.
- Publishing applications on Google Play Store.
- Monetizing these applications by using Google Admob Ads Network.

Formos Vietnam Co, Ltd
Java Developer
Ho Chi Minh, Vietnam
Nov 2011 – May 2012
Responsibilities:
- Analysing user requirements, and developing 'Mapping' application on smart phones, using Java programming language.
- Testing, debugging, and fixing bugs in the application to make sure they perform correctly as specification.
- Updating and maintaining the application.

ITFarm INC
Software Engineer
Ho Chi Minh, Vietnam
Feb 2011 – Oct 2011
Responsibilities:
- Developing medicine management system for the health of Oslo in Norway, using JSF, Seam, EJB3, and mySQL.
- Testing, debugging, and fixing bugs in the program.
- Updating and maintaining the system.

Aureole Information Technology INC
Software Engineer
Ho Chi Minh, Vietnam
Jul 2008 –Aug 2010
Responsibilities:
- Developing sale management system for Houken Corp, using ASP.NET 2.0, VB.NET, Oracle.
- Developing a management system for Nikko Corp, using Struts, JSP and Hibernate frameworks.
- Developing an internal appointment/dismissal management system for Energia Communications, EE-Box project, using Struts, JSP, Oracle.
- Testing, debugging and fixing bugs in the above systems.
- Updating and maintaining existing systems.

Professional Certificates

- Microsoft Certificate for Azure Data Fundamentals.
- Microsoft Certificate for Power BI Data Analyst Associate.
- IBM Certificate for Professional Data Science.

Awards and Achievements

- Receiving the "Chancellor's Letter of Commendation" award for top 5 per cent of postgraduate students in the University of South Australia.

Skills

- Programming languages: Python (2.5 year), SQL (2.5 years), R (1.5 year).
- Back-end: Python FastAPI, Flask.
- Database: Postgres, Oracle, Snowflake.
- Data analytics: Power BI, Numpy, Pandas, Jupyter Notebooks, Dash.
- Version control: Git.
- Knowledgeable relational database programming, machine learning algorithms, data visualisation, data analytics.
- Strong familiarity with multiple software environments.
- Decision making, problem solving, documentation, interpersonal skills.

References

- References will be provided upon request.