

Contact

alyxvijayan@gmail.com

www.linkedin.com/in/roshani-vijayan (LinkedIn)

Top Skills

Machine Learning

Deep Learning

Reinforcement Learning

Certifications

Fixed Income Virtual Experience Program

Asset Management Job Simulation

Introduction to Large Language Models

Programming Fundamentals & Algorithms

Financial Analyst Job Simulation

Honors-Awards

AWS AI & ML Scholarship

Roshani Vijayan

AI & ML | Data Science | AWS AI & ML Scholar - 2023
India

Summary

Dedicated and ambitious Learner of Quantitative Financial Research, Financial Engineering, Financial Analytics, Data Science and Computer Application Research. I aim to leverage my passion for data science, statistical/mathematical skills, finance, and programming expertise to excel in the field of Financial Engineering/ Quantitative Investment Research & Portfolio Management and contribute to innovative solutions.

Experience

Amazon Web Services (AWS)

AWS AI & ML Scholar - Winter Cohort 2023

October 2023 - Present (1 month)

WorldQuant University

Applied Data Science Lab

July 2023 - Present (4 months)

- Applied Data Science Lab : A credential offering where students tackle real-world, meaningful, and complex problems.
- Learn the fundamentals of data science : By completing a series of end-to-end data science projects, students build the wrangling, analysis, model-building, and communication skills to prepare for success in data-centric careers in both the private and public sectors.
- Leverage Real-World Data : From their first day in the Lab, students write their own code and explore real-world datasets. During this course, students complete 8 projects that range from exploring housing prices in Mexico to predicting air quality in Kenya. They will work with publicly available datasets, upon which they can develop larger portfolio projects.
- Access All the Data Science Tools : Students work and complete projects in the same environment and with the same tools that professionals use everyday. They gain access to a ready-to-use Python environment, pandas, and Jupyter Notebooks.

- **Guides by Your Side:** WQU instructor-guided projects offer students a two-way, focused learning experience to develop the professional skills data scientists use day-in and day-out in demanding, real-world settings. Each student gain access to a learning environment in which they receive real-time feedback on their progress, collaborate with their peers, and attend live sessions with an instructor.
- **Develop the Skills to Build a Professional Portfolio :** WQU designed Data Science Lab in such a way that students not only apply their skills to real-life problems, but also leave with the skills to build a professional portfolio they can take into professional settings and interviews. Upon completion, students are able to query different types of databases, clean messy data, build predictive models for regression and classification, create compelling visualisations for project stakeholders — all while considering the ethical, social, and environmental impact of their work.

InterGlobus

Software Developer

April 2023 - June 2023 (3 months)

Pune, Maharashtra, India

Web Development: Designed, coded, and modified company website, from layout to functionality, according to specifications or project requirements. This involves using programming languages such as HTML, CSS, JavaScript etc.

Front-End Development: Developed user interfaces that are visually appealing, user-friendly, and responsive. Implemented designs and ensured seamless integration with back-end systems.

Back-End Development: Building and maintaining server-side applications and databases to support admin web applications. This includes handling server requests, managing databases, and implementing APIs for data exchange.

Troubleshooting and Debugging: Identified and fixed bugs, performance issues, or other technical problems within web applications. Conducted thorough testing and quality assurance to ensure smooth functioning of the website across different browsers and devices.

Collaboration and Communication: Collaborated with cross-functional teams, including designers, other developers, and project managers, gathered requirements, clarified specifications, and ensured timely completion of projects.

Security and Performance Optimization: Implemented security measures to protect web applications from potential vulnerabilities, such as cross-site scripting (XSS) or SQL injection. Optimized website performance, including

page load times and overall responsiveness, to provide a smooth user experience.

Documentation and Maintenance: Documented codes, project requirements, and technical specifications for future reference. Performed periodic maintenance tasks, such as updating software versions, fixing broken links, and monitoring website performance.

Education

Banasthali Vidyapith

Bachelor's degree, Computer Application Honours with Research (4 Year program) · (July 2023 - March 2027)

Dartmouth College

Professional Certificate, C Programming and Linux · (2023)

WorldQuant University

Applied Data Science Lab · (2023 - 2023)

CFA Institute, USA

CFA Investment Foundations (CFA Institute, USA, ID: 9368975) , Investment Management · (October 2021 - March 2022)

The Bishop's School

CISCE, A Level · (June 2021 - May 2023)