Ayesha Rahman

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Education

The University of Leeds — Pursuing MEng (Hons) Computer Science and Artificial Intelligence (2024-2025 batch; Integrated Masters with BSc Computer Science and Artificial Intelligence.

➢ The University of Leeds (undergrad — 2021-2024)— Programming for the Web, Computer Architecture, Fundamental Mathematics, Procedural Programming, Professional Computing, Databases, Computer Processors, Introduction to Discrete Mathematics, Object Oriented Programming, Programming Project, Introduction to Linear Algebra, Software Engineering Project, Algorithms 1, Algorithms 2, Artificial Intelligence, Frml Lang&Finite Automata, Networks, Data Mining, Software Engineering Principle, User Interfaces, Numerical Computation, Operating Systems, Web Application Development, Machine Learning, Information Visualization, Computer Graphics, Secure Computing, Innovation; Thinking and Practice, Cryptography, Intelligent Systems and Robotics, Individual Project — Detection and Tracking of Autism using digital health AI application.

➢ University of Leeds (Postgrad — 2024-25) — Data Science, Knowledge Representative & Reasoning, Advanced Software Engineering, Cloud Computing Systems, Bio-Inspired Computing, Deep Learning, Group Project — Inflation Prediction (currently in early stage).

International Indian School, Jeddah, Saudi Arabia — Senior Secondary School - 2020

Experience

➢ Experience
- Software Developer — Outlier (Present — December 2024)
- Equity Research Analyst (UTI Mutual Fund) — Mumbai, India : July 2023 — September 2023
- Part time - Student Cribs Brand Manager in Leeds — Oct 2022 to Sep 2023.
- University of Leeds (2023-2024) — Events Promoter and Night staff
- Artist - Freelance

➢ Projects
- UTI Mutual Fund — 2 Web Scraping tools — Hotel room pricing with detailed information and Google Flight pricing. Presentation to the equity managers a comparison between hotels they have and new hotels to consider for research and investment purposes.
- Individual Graduation Project — Developed an AI-based digital health application for diagnosing and tracking Autism Spectrum Disorder (ASD) in adults. The project utilized machine learning models to analyse text and eye-tracking data, with NLP to evaluate social interactions. Integrated diagnostic questionnaires and provided personalized feedback based on user inputs.
- Creating a Classification Model using Online Sentiment to Determine Stock — using WEKA (Waikato Environment for Knowledge Analysis) - year 2 of university: The objective was to develop a model that could identify positive or negative customer reactions and establish correlations in discretized stock price data. The research aimed to predict stock market movements by analysing sentiment from social media posts and customer reviews, with potential implications for investment decisions.
- Functional User Interface — Video Editing Application — using C++ - year 2 of university.
- Technical Report — Use of AI in Psychological Treatments — year 2 of university
- 3 Website creation — Shopping website and To-do list website and Sports Management Centre - year 2 of University

➢ Volunteering: writing experience in a government school in India translating Hindi to English and Urdu to English and vice versa. Teaching in an Indian Government school (English and Mathematics) to students in rural areas

Certificates of Completion

1. University of Michigan (Coursera online): Python for Everybody Specialization (Coursera | University of Michigan | online course)
2. IBM Skills Network (Coursera | IBM Skills Network | online course)
3. Commonwealth Bank Technology in Banking Virtual learning program (Forage | Commonwealth Bank Australia | online) — Year 2023
4. Computational Thinking for Problem Solving (Coursera | University of Pennsylvania | online)
5. Lyft Back-End Engineering Virtual Experience Program (Forage | Lyft | online course) - Year Completed — 2023
6. Visa Token Service Technology Virtual Experience Program (Forage | Visa | online) - Year Completed — 2023
7. Introduction to Finance: The Basic (Coursera | University of Illinois at Urbana-Campaign | online) - Year Completed — 2023
8. Introduction to Corporate Finance (Coursera | University of Pennsylvania | online) - Year Completed — 2023
9. Fundamentals of Finance (Coursera | University of Pennsylvania | online) - Year Completed — 2023
10. Blockchain Transformations of Financial Services (Coursera | INSEAD | online) — Year Completed — 2024
11. Blockchain, Cryptoassets, Decentralized Finance (Coursera | INSEAD | online) — Year Completed — 2024
12. Foundations of User experience (UX) Design (Coursera | Google | online) — Year Completed — 2024
13. Global Financial Markets and Instruments (Coursera | Rice University | online) — Year Completed — 2024
14. Introduction to Blockchain for Financial Services (Coursera | INSEAD | online) — Year Completed — 2024

Skills:

Proficient in programming languages: C, C++, Python, Java, SQL, HTML, CSS, Jscript, Python flask. Has experience working on Microsoft word, PowerPoint, excel, Visual Studio Code, Visual Studio, IntelliJ IDEA, XCode, Atom, Qt Creator, Jupyter, WEKA, Prover9, Data analysis, Data usage in AI training. Worked on different operating systems including iOS, Windows, Linux, Unix. Skilled in doing Portrait sketches, Digital Painting, Acrylic Painting, Illustration, Adobe Photoshop. Understanding of Annual Report, Cash Flow, Financial Ratios, Industry analysis, Company analysis, Industry insight.