

## Ayesha Rahman

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### SYNOPSIS

An industrious, reliable, and enthusiastic individual, I am currently a full-time student pursuing an MEng (Hons) in Computer Science and Artificial Intelligence at The University of Leeds, expected to graduate under graduation in 2024. Currently in my 3rd year, I am deeply passionate about exploring various forms of art from around the world. This interest in art has fostered a creative and out-of-the-box thought process, while my dedication to Computer Science and AI has instilled in me the crucial skill of effective time management. I am keen on expanding my expertise across different disciplines and seizing opportunities to apply my skills in the ever-evolving technological landscape.

Notably, I have experience in diverse domains. I have previously contributed to a mutual fund firm, creating essential codes and solutions. Concurrently, I am engaged in developing a healthcare application as part of my undergraduate project, showcasing my versatility and adaptability across industries. I possess a keen interest in software engineering, various programming languages, and robotics, which serve as the driving force propelling me towards a career in these fields.

Complementing my technical pursuits, I have cultivated a presence for my art on Instagram (artxar\_), fostering engagement with the public and delivering relatable and informative content. Interacting with a diverse audience has honed my communication skills and reinforced the value of diverse experiences.

My exposure to Asian and Middle Eastern cultures during my stay in those regions, coupled with my social media engagements, has significantly contributed to my confidence and ability to make distinct contributions in today's dynamic business world.

I am adept at collaborating with individuals from varied cultural backgrounds, which has enhanced my interpersonal skills and ability to engage effectively with people from diverse walks of life. Eager to continue expanding my horizons, I am enthusiastic about learning new languages and delving deeper into different cultures.

Overall, I am committed to leveraging my multifaceted experiences, technical acumen, and passion for continuous learning to contribute meaningfully to future opportunities and bring innovation to the forefront of technological advancement.

### DEXTERITY FORTE

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#### **Technical 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,
- Previously worked in Mutual Fund Firm ➤ Cash Flow Analysis, Financial Ratios, Industry analysis, Company analysis, Annual Report Analysis, Industry insight
- Worked on different operating systems including iOS, Windows, Linux, Unix
- Skilled in doing Portrait sketches, Digital Painting, Acrylic Painting, Illustration. ➤ Has experience working with Adobe Photoshop

#### **Soft Skills:**

- Leadership qualities,
- Team Player,
- Excellent time-management,
- Excellent in organizing and prioritizing tasks,
- Excellent communication skills,
- Customer focused approach,
- Patience and the ability to remain calm under pressure,

- Adaptable,
- Proactive,
- Interest in learning new skills
- Attention to detail, etc.

## **Personal Details:**

### **Experience**

#### ➤ **Volunteering**

- Volunteering writing experience in government school in India translating Hindi to English and Urdu to English and vice versa.
- Volunteered in an Indian Government school to teach English and Mathematics to students in rural areas.
- Participated in multiple art related events such as helping spray paint and decorate areas in Jeddah, Saudi Arabia.
- Worked part time as a Student Crib Brand Manager in Leeds – Oct 2022 to Sep 2023.
- Summer Internship July 2023 – September 2023 – UTI Mutual Fund – as Equity Research Analyst
- Currently working part time as event promotor and night staff for events at University.

#### ➤ **Projects**

- Website creation – Sports Management centre – using python – year 2 of University.
- Functional User Interface – Video Editing Application – using C++ - year 2 of University.
- Website creation – Shopping website, To-do list website - year 2 of University.
- Creating a Classification Model using Online Sentiment to Determine Stock – using WEKA - year 2 of University
- Technical Report – Use of AI in Psychological Treatments – year 2 of University
- Web Scraping tool – Hotel room pricing with filters – Summer Internship at UTI Mutual Fund.
- Web Scraping tool – Flight pricing – Summer Internship at UTI Mutual Fund.
- Achieved First position in Project Making in High School in July 2018.

### **Certificates of Completion**

#### **1. University of Michigan** (Coursera online):

##### **1) Python For Everybody Specialization** (Coursera | University of Michigan | online course)

- Programming for Everybody (Getting Started with Python)
- Python Data Structures
- Using Python to Access Web Data
- Using Databases with Python
- Capstone: Retrieving, Processing, and Visualization Data with Python

#### **2. IBM Skills Network** (Coursera online course)

1. What is Data Science? (Coursera | IBM Skills Network | online course)
2. Introduction to Cloud Computing (Coursera | IBM Skills Network | online course)
3. Introduction to Artificial Intelligence (AI) (Coursera | IBM Skills Network | online course)

#### **3. Commonwealth Bank Technology in Banking Virtual learning program** (Forage | Commonwealth Bank Australia | online)

1. Year completed – 2022
2. Tasks completed include:
  - i. Design (UI & UX)
  - ii. Software Engineering

- iii. Cyber Security
  - iv. Data Science & Analytics
  - v. AI / Robotics
- 4. **Computational Thinking for Problem Solving** (Coursera | University of Pennsylvania | online)
- 5. **Lyft Back-End Engineering Virtual Experience Program** (Forage | Lyft | online course)
  - 1. Year Completed – 2023
  - 2. Tasks completed include:
    - i. Software Architecture – UML diagram
    - ii. Refactoring – Python
    - iii. Unit Testing – Python
    - iv. Test-Driven Development – Python
- 6. **Visa Token Service Technology Virtual Experience Program** (Forage | Visa | online)
  - 1. Year Completed – 2023
  - 2. Tasks Completed include:
    - i. Card Authentication – HTML Requests, Visa API
    - ii. Select Visa API for Use Cases – Documentation, Communication
- 7. **Introduction to Finance: The Basic** (Coursera | University of Illinois at Urbana-Campaign | online)
  - 1. Year Completed – 2023
  - 2. Tasks Completed include:
    - i. Introduction to Finance
    - ii. Financial Statements and Cash Flow
    - iii. Financial Statements Analysis
    - iv. Time value of Money
- 8. **Introduction to Corporate Finance** (Coursera | University of Pennsylvania | online)
  - 1. Year Completed – 2023
  - 2. Tasks Completed include:
    - i. Time value of money
    - ii. Interest Rates
    - iii. Discount cash flow analysis
    - iv. Return to investment
- 9. **Fundamentals of Finance** (Coursera | University of Pennsylvania | online)
  - 1. Year Completed – 2023
  - 2. Tasks Completed include:
    - i. Net Present Value
    - ii. Fixed Income Valuation
    - iii. Equity Valuation
    - iv. NPV vs Internal Rate of Return

## Education

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- **The University of Leeds – Pursuing MEng (Hons) Computer Science and Artificial Intelligence** (2021-2024 batch), presently in 3<sup>rd</sup> Year.
- **The University of Leeds – 1<sup>st</sup> Year**  
 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

➤ **The University of Leeds – 2<sup>nd</sup> Year**

Software Engineering Project, Algorithms 1, Algorithms 2, Artificial Intelligence, Formal Languages & Finite Automata, Networks, Data Mining, Software Engineering Principles, User Interfaces, Numerical Computation, Operating Systems, Web Application Development

➤ **The University of Leeds – 3<sup>rd</sup> Year**

Machine Learning, Information Visualization, Computer Graphics, Secure Computing, Innovation; Thinking and Practice, Cryptography, Intelligent Systems and Robotics, Individual Project

➤ **Leeds International Study Centre:**

**Science, Engineering and Computing International Foundation Year** – September 2020- September 2021

- English – 84.75%,
- Pure Mathematics – 80%,
- Applied Mathematics – 73%,
- Physics – 80%,
- Overall Score – 79.43%.

➤ **International Indian School, Jeddah, Saudi Arabia – 2020**

**High School (CBSE Curriculum):**

English – A+,  
Mathematics – A+,  
Physics – A+,  
Chemistry – A-,  
Computer Science – A+.

**Hobbies:**

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- Trying out different mediums of art,
  - Learning new languages,
  - Coding in free time and learning new computing languages,
  - Interesting in software engineering,
  - Exploring and traveling to new places,
  - Reading.

**Personal Details**

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Address : Leeds, LS2 8JP.

DOB : 26<sup>th</sup> April 2002