



Asma Ahmed

Bioinformatician

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About Me

I am confident in my ability. Creative and flexible, able to adapt to changing priorities, and maintain a positive attitude.

Career Objectives

1. Master Bioinformatics, Programming and Research in Biological Sciences.
2. Develop advanced AI skills to create innovative solutions for my country.
3. Establish a bioinformatics-based business to address critical challenges.
4. Utilize Python programming efficiency to solve real-world problems.

Skills

- Management Skills
- Creativity
- Good Communication Skills
- Critical Thinking
- Proficiency in Python
- Problem Solving
- Leadership
- Hardworking
- Proficiency in C++

Digital Skills

- Proficiency in Python 2. GitHub for version control and collaboration
- C++ programming
- Social Media Management (WhatsApp, Instagram, LinkedIn)
- Proficiency in Microsoft Word, Microsoft PowerPoint and Google Form
- Organizational and Planning Skills
- Data Analysis and Visualization Tools (IntAct DataBase Analysis Project)
- Communication Platforms (e.g., Zoom, Google Meet, Microsoft Teams)

Education

BS Bioinformatics

Quaid e Azam University, Islamabad. 2022 – 2026

Intermediate (FSC)

Baharia College, Naval Anchorage 2019 – 2020

Matriculation (Science Group)

The National School and College, Pakistan Town 2017 – 2018

Research Interests

Cancer Genomics, Proteomics, Computational Biology, Data Management System, Artificial Intelligence, Structural Bioinformatics, Gene Expression Analysis, Protein Structural Analysis and Programming languages.

Work Experience

1-Internship

C++ Programming, Digital Empowerment Network, Pakistan Aug 2024

2- Internship

Python, Digital Empowerment Network, Pakistan Sep2024–Oct2024

3- Internship

EOTO Foundation 2023–2025

4-Internship

Event Management Team, MLSA YE 2024–2025

Certifications

- Global UGRAD Pakistan,
- Completed The Comprehensive Human Genome Course
- Youth Integrity Icon and Youth Association of Pakistan
- Basic Life Support Training by Civil Society Pakistan
- Built with AI Workshop at my University
- Event Organization in BINSAs (Bioinformatics Student' Association, QAU),
- International Genomic and Bioinformatics Bootcamp
- Art of Public Speaking Session
- C++ Internship at DEN
- Ambassador at EDVOY
- Google AI Essential Course
- Python Internship at DEN
- Ambassador in DEN Coding Competition
- Hosted the session "Introduction to Git and GitHub"
- Attended "Microsoft Power Platform and Power BI" session
- Attended "Passion to Professional" session
- Participated in Microsoft Learn Student Ambassador session on "Azure Virtual Machine"
- Attended "Learn App Development with React" session
- Completed "Building Machine Learning Model using Python" session

Projects

- 1-Scrape Website Project
- 2-Sorting Data Project
- 3-Visualization of Educational Data Project
- 4-Red-Blue Nim Game
- 5-Visualization and Manipulation Data Project
- 6-Resume Interface Project
- 7-Graph Visualization Project
- 8-Hangman Game
- 9-Chat Box Project
- 10-Automation and Maintain Workflow Project
- 11-Weather Forecasting System Project
- 12-Contact Management System Project
- 13-Run Length Encoding File Compressor Project
- 14-Multithreaded HTTP Web Server project
- 15-Gene Expression Analysis

Experience

- Volunteer at Million Smile Foundation
- Volunteer at BINSa (Bioinformatics Students' Association)
- Active Member of Artificial Intelligence Community, Pakistan
- Ambassador for EDVOY
- Attended eMergeBio Workshop
- Attended Microbiology Workshop by ASM
(American Society for Microbiology)
- Co-Lead PR at Artificial Intelligence Community Pakistan, QAU Chapter
- Departmental Ambassador in Quaidian Library Society
- Executive Decor Team Member in Quaidian Business Catalyst Society
- Event Team Member in Quaidian Science Society
- Event Management Team in MLSA-YE
- Departmental Ambassador in QAU Volunteers Club
- Ambassador in DEN Coding Competition (2024)
- Organized event on "Genomics in the Digital Era: Innovation, Challenges, and Accountability"

Reference:

Saad Ahmad

Digital Marketing
Specialist – SEO Expert

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