

Sharif Shabir

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Objective:

A dedicated and analytical mathematics student seeking a challenging position where I can leverage my strong mathematical foundation and problem-solving skills to contribute to the growth and success of an organization.

Education:

Bachelor in Mathematics

University of Kashmir , Anantnag Jammu and Kashmir

2023

Relevant Courses:

- Calculus I, II, III
- Linear Algebra
- Differential Equations
- Probability and Statistics
- Abstract Algebra
- Real Analysis
- Numerical Methods
- Mathematical Modeling

Academic Achievements:

- Gold Medal, International Mathematics Competition (IMC) 2022
- Silver Medal, International Innopolis Mathematics Competition for University Students 2021
- Certificate of Distinction, American Mathematics Competitions (AMC) 2022
- Participate, The Cathedral and John Connon School Math Competition (CMC) 2021
- National Award by Worthy Wellness Foundation 2023
- First Runner-Up, Hong Kong Student Project Competition 2021-2022
- World Record Holder, Most Number of Astronomy Achievements 2022
- Selected for Rashtra Prerna Award by World Of Book Star Records 2023
- Young Warrior Award by Joint collaboration of UNICEF and Yuwaan India

Publications

Published Books

- 1) Lie Algebra 2022
- 2) Combinatorics 2022
- 3) Honors Abstract and Linear Algebra 2022
- 4) Baby Calculus 2023
- 5) Mathematical Modeling in Economics 2023

Skills:

- Proficient in mathematical software such as MATLAB, Mathematica, and R.
- Strong analytical and problem-solving abilities.
- Detail-oriented with excellent data analysis skills.
- Ability to communicate complex mathematical concepts clearly.
- Methodical and systematic approach to mathematical problem-solving.

Projects:

1) Build Your Own Next Word Predictor:

28 December 2022

Description: Developed a Next Word Predictor utilizing Natural Language Processing (NLP) techniques. The predictor suggests the most probable word that should follow a given input text, enhancing writing efficiency and providing smart suggestions in various applications.

Role: As the lead developer, I designed the project's architecture, implemented NLP algorithms, and refined prediction accuracy .

Technologies/Languages used: Python, NLTK (Natural Language Toolkit), N-gram language modeling.

2) Building an App to Predict Students' Grades

21 February 2023

Description: Led the development of a mobile application that predicts students' academic performance based on factors such as attendance, past grades, and study habits. The app aimed to provide valuable insights to students and educators, empowering them to improve learning outcomes.

Role: Played a key role in the app's development, handling data preprocessing, creating predictive models, and designing the user interface.

Technologies/Languages used: Android Studio (Java/Kotlin), SQLite for database management, Machine Learning algorithms (e.g., Decision Trees, Linear Regression).

3) International Astronomical Search Collaboration IASC

November 18- December 13, 2022

Description: Participated in the International Astronomical Search Collaboration (IASC) project, an international program that engages students in the search for near-Earth objects (NEOs) and comets. Collaborated with astronomers and students from around the world to analyze astronomical images and identify potential celestial discoveries.

Role: Contributed to data analysis and the identification of potential NEO candidates, employing scientific methodologies and software tools for precise astronomical measurements.

Technologies/Languages used: Image processing software, astronomical data analysis tools.

Extracurricular Activities

Workshop on Education and Sustainable Development Goals:

Ability Skill Knowledge Foundation

Attended an enlightening workshop focused on understanding and promoting sustainable development goals in education. Gained valuable insights into strategies for creating a positive impact in the field of education.

Participated in the 7th International Youth Conference

Actively participating virtually in the 7th International Youth Conference (IYC) held in California USA under the theme "Inclusion and development through innovation" from 27th April to 30 April, 2023 in partnership with UN-Habitat and global civil organization.

Chinese Tea Sensory Evaluation Technology Training:

Actively participated in a specialized training program on Chinese tea sensory evaluation technology. Developed a deeper understanding of tea quality assessment and tasting techniques.

Webinar on 'Alternative Careers with an Engineering Degree'

Engaged in an informative webinar discussing diverse career opportunities beyond traditional engineering paths. Explored alternative career paths and gained valuable insights from industry professionals.

2023 International Essay Contest for Young People

Actively participating in an international essay contest that encourages critical thinking and creativity. Contributing to the discourse on important global issues through written expression.

People's Reflections Writing Competition

Participating in a writing competition focused on self-expression and reflection. Utilizing writing as a medium to share thoughts, ideas, and perspectives.

International Youth Forum of Public Diplomacy "InterYES! 3.0"

Successfully participated in an online international youth forum on public diplomacy. Engaged in discussions on global issues, fostering cross-cultural understanding and international cooperation.

Participated in 2nd National Quiz Competition, 2021

Took part in the 2nd National Quiz Competition held on National Mathematics Day, focusing on the theme of COVID protection through vaccination. Engaged in a challenging quiz to enhance knowledge on vaccination and its role in combating the pandemic.