

Tania Chib

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OBJECTIVE

Motivated Master's student in Mathematics with a solid background in both applied and pure mathematics, possess strong analytical and problem-solving skills, enabling me to tackle complex problems through mathematical modelling and statistical techniques. My passion lies in teaching and applying mathematical principles to research, making me eager to contribute to academic and professional environments.

WORK EXPERIENCE

Private Tutor

Mukerian, Punjab

Self Employed

May 2020 – June 2024

- Provided personalized academic tutoring to students from Grade 4 to 8 in all subjects.
- For Grade 9 and 10 in subjects Science and Mathematics.
- For Grade 11 and 12 in Mathematics.

RESEARCH WORK

Master's Research Project focussed on nonlinear equations

- Developed a new “**Two-Step Iterative Method for nonlinear equations using Caputo-Fabrizio Fractional Derivatives**” more accurately. Present it in International Conference on Advancements in Mathematics for Sustainable Future (ICAMSF-2025) which is accepted in **Journal of Interdisciplinary Mathematics (Q2) Scopus**.
- “**A Novel Modified Multistep Newton Raphson Method in the Riemann Liouville Fractional Framework**” is communicated in **International Journal of Differential Equations**.
- “**Atangana-Baleanu Fractional Modelling and Stability for Malaria-Filariasis Co-Infection**” is communicated in **Journal of Function Spaces**.

CERTIFICATION

- **Diploma in Computer Applications:** A diploma focused on various computer applications.
- **Certificate in IBM Data Analysts:** A certification in data analytics from IBM.
- **Certificate in Google Data Analytics:** A certification in data analytics from Google.
- **Microsoft Generative AI for Data Analysis:** A certification in Data Analysis from Microsoft.
- **International Conference Participation:** Participated and presented research paper in International Conference on Advancements in Mathematics for Sustainable Future (ICAMSF-2025).

EDUCATION

Master of Science in Mathematics

Chandigarh University, Mohali, Punjab, India

Jul 2024 – June 2026

CGPA-7.45

Bachelor of Science (Non-Medical)

Dasmesh Girls College, Mukerian, Punjab, India

Jul 2020 – May 2023

Percentage: 86.45%

XII | Science (Non Medical) | PSEB

J.B.K.C.S.M. Girls Sr. Sec. School, Mukerian, Punjab, India

Apr 2019 – Mar 2020

Percentage: 91.56%

X | ICSE

St. Augustine School, Pandori, Lamin, Mukerian, Punjab, India

Mar 2017 – Mar 2018

Percentage: 75.8%

SKILLS

- **Basic Computer skills:** MS Office (Word, Power point, Excel), programming language (C++), other tools (MATLAB, Latex).
- **Soft skills:** Good Communication skills, teamwork, leadership.