ANZILA LAIKHURAM

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PROFESSIONAL SUMMARY

Data Science Enthusiast with a strong passion for leveraging data-driven solutions that drive business improvement, innovation, and growth. Currently a Ph.D. candidate in applied mathematics and holds a Master's degree in applied mathematics and tenacious expertise in employing advanced data modeling, predictive modeling, and a wide range of Data Visualization tools. I am continually interested in personal growth, seeking to utilize my analytical skills and team-oriented approach to contribute to successful data projects.

WORK EXPERIENCE

Research assistant, Department of Applied Mathematics, NSYSU.   2020 - Present

- Linear algebra and graph theory, theoretical and analysis problems.

- Utilized statistical software to analyze data, interpret results, and provide detailed reports.

- Contributed to writing academic papers, demonstrating a comprehensive understanding of linear algebra.

Teaching assistant, Department of Applied Mathematics, NSYSU.   2022 - Present

- Linear algebra courses offered by the department of applied mathematics.

- Utilizing effective teaching methods to engage students.

- Facilitated group discussions, promoting collaborative and interactive learning and evaluation of exams, providing constructive feedback.

- Applied problem-solving skills to address and resolve academic queries, demonstrating strong communication and interpersonal skills.

EDUCATION

Ph.D. National Sun Yat-sen University, Taiwan.   2020 - Present

B.Ed. (Pedagogy Mathematics), Manipur University, Manipur, India.   2017 - 2020

M.Sc. (Mathematics), St. Joseph's College of Arts and Science, India.   2015 - 2017

B.Sc. (Physics, Chemistry, Mathematics), Christ University, India.   2014 - 2011

SKILLS

Technical Skills – Python, SQL, R, Matlab.

Soft Skills – Communication, Problem-Solving, Teamwork, Adaptability, Time Management, Decision-Making, Ethical Responsibility.

AREAS OF EXPERTISE

- Linear Algebra   • Graph Theory   • Clustering and Classification   • Data Visualization   • Combinatorics
- Probability Theory   • Calculus   • Statistics   • Qualitative Research   • Data Processing

PROJECTS

Inverse eigenvalue problems of graphs.	2022 - Present
Rainbow connection number for a web graph.	2015-2017
Car crash and head injury criteria data analysis.	2015-2017
Computer network security data analysis.	2015-2017

CONFERENCE AND TALKS

- NCTS East Asia Core Doctoral Forum in Mathematics, Taiwan, 2023.

- Math Runway, Department of Applied Mathematics, NSYSU, 2023

- Introduction to Social Networking Analysis, St. Joseph's College, Bangalore, India.

LEADERSHIP AND VOLUNTEERING

- Outreach Program at Raichur, India, 2016.

- Outreach teaching program, Bangalore, 2015.

AWARDS AND ACHIEVEMENTS

- Outstanding International Students Scholarship, NSYSU, 2020-2023.

- Sir Borabi Tata Trust Fellow Recipient, 2018 - 2019.

- **Certified Data Scientist**. Awarded by IBM.

- **Certified Python Programmer**. Awarded by the University of Michigan.