

SWATHI MURALI

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EDUCATION

University of Miami Coral Gables, FL

Master of Science in Finance – STEM credentialed

May 2020

- **GPA:** 3.96/4.0
- **Honor:** Award of Academic Merit
- **Relevant Coursework:** Financial Decision Making, Managerial and Global Economics, Quantitative and Analytical Fundamentals, Introductory and Advancing Financial Modeling using Artificial Intelligence and Machine Learning, Critical Thinking and Business Persuasion.

Pennsylvania State University Pennsylvania, USA

Master of Professional Studies in Forensic Science

May 2018

- **GPA:** 3.59 / 4.0
- **Relevant Coursework:** Forensic Statistics, Courtroom Procedures and Testimony, Ethics.

Birla Institute of Technology and Science, Pilani Dubai Campus

Bachelor of Engineering (Honors) in Biotechnology

Sep 2016

- **GPA:** 9.88 / 10.0
- **Honor:** Highest GPA in Department of Biotechnology
- **Relevant Coursework:** Mathematics, Principles of Management, Probability and Statistics, Technical Report Writing.

RESEARCH AND TEACHING EXPERIENCE

Pennsylvania State University Aug 2016-May 2018

Graduate Research Assistant (Committee: Ralph R Ristenbatt, MS; Reena Roy, PhD; Peter Pizzola, PhD)

- Project: Transport of Liquid Blood through Fabrics
- Presented research findings at Emirates Forensic 2019 Conference

Pennsylvania State University Aug 2017- Dec 2017

Course Assistant, Forensic Science Program (Supervisor: Ralph R Ristenbatt)

- FRNSC 415 – Laboratory in Crime Scene Investigation

Pennsylvania State University Jan 2017 – May 2018

Graduate Teaching Assistant, Biology Department (Supervisor: Dianne Burpee)

- BIOL 110 - Biology: Basic Concepts and Biodiversity
- BIOL 240 W – Function and Development of Organisms

International Center for Biosaline Agriculture Feb 2016 – Jul 2016

Research Assistant (Internship) (Supervisor: Khaled Masmoudi, PhD)

- Skills developed: Research Methods, Data Analysis using Advanced Excel Statistics and NCBI Blast Tools.

Birla Institute of Technology and Science, Pilani Aug 2013 – Dec 2015

Undergraduate Research Student

- Project 1: Molecular Mechanisms in Plant Salinity Tolerance - Performed experimental and data analysis duties (Committee: Neeru Sood, PhD; Rajeswari Somasundaram, MS)

- Project 2: Analysis of Stem Cell Applications in Disease Treatment - Performed review of historical and contemporary literature and performed data analysis, compilation, and evaluated alternate approaches. (Committee: DJ Shariff, PhD; Salma Shariff, MS)
- Project 3: Evaluations of Psychological Methods in Crime Investigation - Performed review of historical and contemporary literature and performed data analysis, compilation, and evaluated alternate approaches. (Committee: S Ramachandran, PhD; Geeta Kannan, PhD)

WORK & LEADERSHIP EXPERIENCE

Wisconsin Department of Justice

Wisconsin, USA

Forensic Scientist, Wisconsin State Crime Laboratory

Sep 2018 – Jul 2019

- Worked on projects under Federal Grant: Sexual Assault Kit Initiative (SAKI)
- Employee Recognition Award for initiative and contribution to increasing laboratory efficiency

European Perfume Works

Sharjah, UAE

Summer Intern, Quality Control and Quality Assurance

Jun 2014 – Jul 2014

- Fulfilled technical duties and researched new tools and technology
- Developed an understanding of corporate decision making and workflow

Emirates Aviation Services

Dubai, UAE

Summer Trainee, Aircraft Maintenance

May 2015 – Aug 2015

- On-the-job training for aircraft maintenance and aviation regulation

Birla Institute of Technology and Science

Dubai, UAE

Laboratory Assistant, Chemistry Division

Sep 2014 – Dec 2014

- CHEM F110 – Chemistry Laboratory

Birla Institute of Technology and Science

Dubai, UAE

Professional Assistant, Admissions Division

Sep 2013 – Dec 2013

- Telecommunications liaison and ambassador for student recruitment

SKILLS AND INTERESTS

Technical Skills: Laboratory Information Management Systems, Visual Basic for Applications, Advanced Microsoft Office, STATA, NCBI BLAST Tool

Languages: English-Hindi (Bilingual), Tamil (Conversational)

Activities and Interests: Kickboxing, Badminton, Dance, Aviation