

ANIKA SAIPRABHU



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EDUCATION

Southern Methodist University

August 2022 – May 2026

Bachelor of Arts, Computer Science

Bachelor of Science, Data Science

Bachelor of Arts, Music (Composition)

Honors: University Honors
Program, Provost Scholar,
Discovery Scholar, Meadows
Scholarship, Engaged Learning
Fellow

SKILLS

Programming languages: Python,
Java, C++, R, SQL, Dart
Tools: VSCode, Clion, Eclipse,
Tableau

Natural language processing
Fast fourier transform
Digital signal processing
Flutter app development

RELEVANT COURSES

Principles of Computer Science
Programming Concepts
Discrete Computational Structures
Computer Organization
Data Structures
Practical Introduction to Data
Science
Fundamentals of Algorithms
Machine Learning in Python

PROFESSIONAL EXPERIENCE

May 2024 - present

Intern Developer

Minesmart Technologies, LLC.

- Developing Responsible AI by opening up AI decision-making
- Ran XGBoost and Scikit-learn decision trees to show black-box decisions
- Developed UI demo of the innovation in Flutter
 - Adaptable to any information set

August 2023

Presenter at TIDE 2023

Department of Defense

- Assisted in writing the accepted proposal
- Presented on Responsible AI (RAI) to DoD officials
- Lead demo of potential warfighter scenarios
- Invited to TLC with Defense Intelligence Agency

May 2023 – August 2023

Library and Communications Assistant

Orchestra of New Spain

- Redesigned and optimized full website
- Digitally catalogued scores and organized library archives
- Modified notated music and extensively tracked changes in 15 pieces

PROJECTS

August 2023 – May 2024

Engaged Learning Fellowship

- Applied for and earned \$2500 to produce an original music composition and dance video highlighting the consequences of censored education

June 2022 - present

Chord Generation

- Generation of semi-random chord progression based on a melody, intended to diversify harmonic makeup of music produced in the modern industry

August 2021 - present

Digital Sound Modification

- Digital manipulation of spectral composition of sound in Python to make the sound of an input instrument sound like that of another desired instrument