

# CHRISTINA DUTHIE

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<https://github.com/christinaduthie>

## OBJECTIVE

To learn and land a stimulating effort in the field of computer science where I can apply my programming skills, analytical thinking, and enthusiasm for technology to help create new and cutting-edge solutions.

## EDUCATION

- Masters in Computer Science August 2023 - Present  
*University of Texas at San Antonio, San Antonio, Texas*  
GPA: 3.77/4
- B. Tech in Computer Science and Engineering May 2023  
*Karunya Institute of Technology and Sciences, Coimbatore, India*  
CGPA: 8.11/10

## INTERNSHIP

- CISCO Internship - Cyber Security Virtual Internship Program 2021 April – June 2021  
*CISCO Networking Academy*
  - Learnt how to protect computer operating systems, networks, and data and essential concepts
  - Designed a secure network for an institution using Packet Tracer tool.
- Software Engineering Intern Feb – March 2023  
*Invest To Impact Network Foundation (ITOI)*
  - Received extensive experience in web and software development.
  - Designed wireframe for Foundation's apps.
  - Member of the Software testing team.

## RESEARCH PAPER

- Malware Analysis, Prediction and Prevention Published on July 2023  
Conference - <http://icesc.co.in/2023/>  
The problem statement is to analyze Machine Learning and Deep Learning algorithms and predict malware in system and data files.

## PROJECTS

- Machine Learning Projects
  - Stock Price Prediction
  - Emotion and Sentiment classifier App ("SENTEMO")
  - Diabetes Prediction App
  - Malware Prediction
- Data Science Projects
  - Climate Data Analytics -Analyzed hourly climate data and visualized temperature, humidity and rainfall patterns for 2 cities - Melbourne, FL and San Diego, CA.
- Web Development Projects
  - Landing Pages
  - User Interface for Music site
  - Full stack E-commerce website (ongoing)
  - Portfolio

- Analyzing Climate data and Air quality data during and before Covid -19.

## TECHNICAL SKILLS

- Programming Languages: Python, JavaScript, C, C++, HTML, CSS, MySQL, React
- Operating Systems: Mac, Windows, Linux
- Development Software: Microsoft Visual Studio Code
- Technical skills: Machine Learning, Data Science, Web Development.

## CERTIFICATES

- React- The complete guide 2024  
*Udemy* Ongoing
- Cyber Security Essentials  
*CISCO Networking Academy* May 2021
- Python Fundamentals Track  
*DataCamp* March 2020

## INTERESTS

- Data Science and Machine Learning
- Artificial Intelligence
- Web Development

## CO-CURRICULAR ACTIVITIES

- Developer Program  
*Accenture* August 2021
- Angular Js Workshop  
*Conevo Technologies and Private Limited* October 2019
- Build The Future Hackathon  
Conducted by *Karunya Institute of Technology and Sciences*  
Hosted by *Major League Hacking*  
Participated in Local Hack Day – Build  
Project – Stock Price Prediction using Machine Learning December 2019

## REFERENCES

- Dr. David Sathyaraj, Director of Data Science, Trabus Technologies, San Diego  
[DavidS@trabus.com](mailto:DavidS@trabus.com)
- Dr. G. Jasper W. Kathrine, Associate Professor and Program Coordinator  
[kathrine@karunya.edu](mailto:kathrine@karunya.edu)  
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