

# Kevin Mathew Maran

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## PROFILE & OBJECTIVE

Motivated Computer Science Master's student at UTSA (GPA: 4.00) with a strong foundation in programming languages, databases, cloud and cybersecurity tools seeking 2025 Summer internship opportunities in Software Engineering, Data Science, Artificial Intelligence and Cybersecurity fields to gain experience in solving complex problems and to contribute to innovative projects.

## EDUCATION

- Master of Science in Computer Science (GPA: 4.00/4.00)  
University of Texas at San Antonio (UTSA) – San Antonio, TX Aug 2024 – May 2026 (Expected)  
Relevant Coursework: Algorithms (sorting, searching, graphs, DP), Systems (OS, MIPS, distributed systems), Cybersecurity (principles, attacks, mitigation, pen testing), Software engineering (UML, design) and Discrete math
- Bachelor of Engineering in Mechanical Engineering (GPA: 3.97/4.00)  
Anna University – Chennai, Tamil Nadu, India Sep 2018 – July 2022

## CERTIFICATIONS

- PCAP: Certified Associate in Python Programming (Python Institute) Jan 2025
- Building Neural Networks: Artificial Neural Networks Using Frameworks (Skillsoft) Nov 2023
- MO-211: Microsoft Excel Expert (Microsoft 365 Apps) Sep 2023

## SKILLS

- **Programming Languages:** Python, C, C++, Java, Assembly language, Object-Oriented Programming (OOP)
- **Machine Learning:** Artificial Neural Networks (Keras, Tensorflow, PyTorch), Decision Tree (sklearn)
- **Data Tools and Visualization:** Python (NumPy, Matplotlib, Pandas, Tkinter), MS Excel (Pivot Table and Chart)
- **Database Management Systems:** MySQL, Oracle SQL
- **Operating Systems:** Unix (Bash Scripting), Linux, Windows (Batch, CLI, PowerShell)
- **Cloud Technologies:** AWS Cloud, Google Cloud Platform (GCP)
- **Web Development:** HTML, CSS, JavaScript, ReactJS
- **Version Control System:** Git, GitHub, Azure DevOps
- **Productivity Tools:** Microsoft Office, Visual Basic for Applications, TeX
- **Cybersecurity Tools:** Kali Linux, Metasploit, BurpSuite

## RESEARCH

Research Volunteer – Data Augmentation for Machine Learning models

- University of Texas at San Antonio (UTSA) – CareAI Lab Oct 2024 – present
- Assisted research on Data Augmentation techniques to eliminate bias in Machine Learning (ML) models
- Worked on developing Python pipeline for Automatic Speech Recognition (ASR) models for speech transcription

## WORK EXPERIENCE

Packaged App Development Associate (5 months)

- Accenture India Pvt. Ltd. Apr 2024 – Aug 2024
- Learned Unix scripting, C++ coding and Oracle database within a month by extensive hands-on training
- Cleared all technical assessments and gained exposure to agile and scrum software development environments

## PROJECTS

- Distributed Math Service (Python XML-RPC) May 2025
  - Built a multithreaded Python XML-RPC server with atomic invocation counting via a threading.Lock
  - Developed a client that fires 1,000 randomized RPC calls validating concurrent request handling and end-to-end middleware integration.
- Hangman Game with Leaderboard (Python, MySQL) Dec 2023
  - Developed an interactive GUI-based Hangman game by utilizing Python's Tkinter module
  - Implemented real-time leaderboard tracking to increase user engagement by integrating MySQL database

## ACHIEVEMENTS

- Received competitive scholarship in UTSA for the academic year 2024 – 2025 through Indian Student Association
- Successfully transitioned from Mechanical to Computer Science, displaying adaptability and strong learning curve
- Ranked #1 among 12,091 students in Mechanical Engineering at Anna University and awarded Gold Medal