Kevin Mathew Maran

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OBJECTIVE

Motivated Computer Science Master's student at UTSA (GPA: 4.00) expecting to graduate in May 2026 seeking roles in Software Engineering, Artificial Intelligence and Cybersecurity fields 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)
- 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, CUDA utilization, parallel processing
- **ML and LLM:** Artificial Neural Networks (Keras, Tensorflow, PyTorch), LangChain, Transformers (Python)
- **Data and Visualization:** Python (NumPy, MatPlotLib, Pandas), MS Excel (Pivot and Power Query)
- **Database Management Systems:** MySQL, Oracle SQL, MongoDB
- **Operating Systems:** Linux bash, Linux, Windows (Batch, CLI, PowerShell)
- **Cloud and Web Tech:** AWS Cloud, Google Cloud Platform (GCP), HTML, CSS, JavaScript, ReactJS, WordPress
- **Version Control and Agile:** Git, GitHub, Azure DevOps
- **Productivity Tools:** Microsoft Office, Visual Basic for Applications, overleaf laTeX
- **Penetration Testing Tools:** Kali Linux, Metasploit, BurpSuite

RESEARCH

Research Assistant – Post processing Tool for Computational Fluid Dynamics (CFD) data
  University of Texas at San Antonio (UTSA) – CTV Lab   Jun 2025 – present
- Worked on AQUILA post processing tool to create visualization–ready fluid dynamics data for 20 billion data points
- Used WordPress to regularly update and maintain the lab's website

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 to address class imbalance in dataset for training ML models
- Developed a GPU accelerated python pipeline for ASR models to study the bias with L2 English speakers

WORK EXPERIENCE

Summer Intern (1 month)
Mind Labz Technology Solutions LLC   May 2025 – present
- Developed RAG based software products utilizing LangChain and LLM APIs to automate repetitive data tasks
- Tested the alpha version of products to improve the experience in user and working perspectives

Associate Software Engineer (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 sending 1,000 randomized RPC calls using concurrency 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