

Nishanth Gandhe

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EDUCATION

Bachelor of Science in Computer Science, Texas A&M University, College Station, TX May 2027

- **GPA:** 4.0/4.0
- **Member of Engineering Honors Program and Dean's Honor Roll Recipient x2**

TECHNICAL SKILLS & CERTIFICATIONS

- **Proficient:** Java, Python, Angular, React, C#, C, C++, Haskell, Javascript, Git, SQL, JavaScript, HTML, CSS, OpenCV, MediaPipe
- **Exposure:** Selenium, SignalR, PostgreSQL, Docker, SwiftUI, Flutter, Websockets, AI fine-tuning & training, AWS Cloud
- **Certifications:** ExtraHop Network Security Essentials and Network Security Specialist, ISC^2 Intro to Cybersecurity

PROJECTS

Tidal Hackathon | Lie Detector, College Station, TX Jun 2023 - May 2024

- Ranked 3rd place out of 64 teams in the overall category
- Developed a website using ReactJS and Python Flask with WebSockets, detecting facial movements with OpenCV, Deepface, and Dlib to track emotions, blinks, gaze, and twitching.
- Utilized AWS Transcribe for live transcription and integrated fine-tuned Mistral AI with PyTorch for real-time lie detection.

TamuHack | Stock Sense, College Station, TX Jan 2024

- Built a mobile app that utilizes SwiftUI for the front end and then a Python backend with a PythonKit extension for Swift. The app displays stocks likely to gain value over the years based on the sectors provided.
- Created a proprietary stock algorithm using a linear regression line, 52-week average, moving average, and PE ratio.

HowdyHack | Inventory Insights App, College Station, TX Sep 2023

- Ranked 7th place out of 57 teams
- Engineered an inventory management app using Swift, Xcode, Tesseract OCR, and OpenCV for real-time receipt scanning and inventory management for small business owners.

EXPERIENCE

Beats by Dre Consumer Insights Data Analytics Externship | Data Analytics Extern, remote July 2024 - Sept 2024

- Developed Python code and used Selenium to scrape the web for consumer data, preparing it for analysis
- Conducted an Exploratory Data Analysis and Sentiment Analysis using Pandas and Matplotlib
- Used Gemini AI to extract themes from customer reviews and make API calls directly from Python.

Capsher Technology | Software Engineering Intern, College Station, TX May 2024 - July 2024

- Implemented a dark mode transition on a multi-layered web application using Angular Frontend and C# backend
- Created pipelines to connect services asynchronously on the app using SignalR
- Displayed information onto 3-dimensional graphs using a DCL input for conversions and ChartJS

Cybersecurity Apprenticeship Program | Student Technician, College Station, TX Dec 2023 - Present

- Assisted in programs to analyze the frequency of various application protocols on the network and its originating location
- Used Crowdstrike Falcon to maintain and assess real-time alerts shown on the network
- Developed custom parameters and queries on ExtraHop and Elastic to analyze threats

Video Game and Gamification Research Project | Student Researcher, College Station, TX Sep 2023 - May 2024

- Created AI-driven data analysis initiatives to convert raw research data into valuable insights.
- Investigated how video games, simulations, and gamification may be used to enhance learning at various educational levels
- Actively participated in developing small-scale instructional video game prototypes using Python and C# while coordinating coding skills with research goals.

AI Mastermind | Project Lead, remote Jun 2023 - May 2024

- Created multiple AI chatbots to replicate JARVIS, analyze supreme court cases, rate movies based on the IMDB Database, and Q&A bots that can read and understand PDFs and online articles.
- Used transformer models, such as BERT, and trained and fine-tuned OpenAI and other hugging face models using collab

NS Globe Tech Solutions | Website Designer, remote May 2022 - June 2022

- Designed website and logo- Website link: <https://www.nsglobetechsolutions.com/>
- Showcased the company's functions, goals, and visions through the website.

Extracurriculars

Aggie Data Science Club | Workshops Officer, College Station, TX Jan 2025 - Present

- Assemble and deliver workshops to 50-100 club members on data science, machine learning, and AI topics.
- Fostered understanding of real-world applications and implications using activities, code-alongs, and presentations.