

Aahil Shaikh

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EDUCATION

San José State University , <i>B.S. Computer Engineering</i>	Aug 2025 - May 2027
DeAnza and Foothill College , <i>GPA: 3.95 (3x Dean's List)</i>	Sep 2024 - May 2025
<ul style="list-style-type: none">Relevant Coursework: Advanced C++, Data Structures	
Rutgers University , <i>Electrical and Computer Engineering</i> , <i>GPA: 3.906 (2x Dean's List)</i>	Sep 2023 - May 2024
<ul style="list-style-type: none">Top 7% selected by the dean to join the Rutgers School of Engineering Honors Academy	

EXPERIENCE

Palo Alto Networks , Santa Clara, CA	
<i>Part-time, R&D Software Engineering Intern, WildFire product</i>	Aug 2025 - Present
<ul style="list-style-type: none">Expanding upon prior internship by supporting more model types, culminating in a patent filing for core methodology	
Palo Alto Networks , Santa Clara, CA	
<i>R&D Software Engineering Intern, WildFire product</i>	May 2025 - Aug 2025
<ul style="list-style-type: none">Engineered a production firewall feature for inline, real-time blocking of malicious AI models, achieving 100% detection coverage of malicious samples with zero false positivesArchitected data curation pipeline where the core LLM classifier (hosted on Vertex AI) achieved 100% precision and recall, enabling the creation of a high quality ground truth dataset managed with GCP Cloud SQL and Cloud StorageDeveloped and optimized the core detection algorithm for high-throughput, low-latency performance in resource constrained firewall environments, utilizing a GCP VM as a secure sandbox for all development and testing	
Palo Alto Networks , Santa Clara, CA	
<i>R&D Software Engineering Intern, WildFire Product</i>	May 2024 - Sep 2024
<ul style="list-style-type: none">Developed an advanced threat intelligence system, initially detecting 6 specific malware families, which has since become a backbone tool for the teamEngineered a Python tool that processed millions of logs (hundreds per family) for malware fingerprinting via ML clustering (TF-IDF, DBSCAN) and association rule mining, cutting production rule creation time from days to minutes, and establishing a robust CI/CD pipeline with automated testing	
VEX Robotics Competition (VEX IQ) , Montgomery, NJ	Nov 2023 - May 2024
<i>Founder and Head Mentor</i>	
<ul style="list-style-type: none">Founded and mentored two rookie robotics teams within the Vex Robotics Competition, guiding them to win 13 awards, winning the State Championships, and qualifying for the World ChampionshipTaught engineering design and hardware/software principles, fostering teamwork and enthusiasm	

TECHNICAL SKILLS

Languages: Python, Java, C++, JavaScript, HTML/CSS, MATLAB

Libraries: NumPy, Pandas, SciKit Learn, ThreeJS, Flask, TensorFlow, LangChain, React Native, Google GenAI SDK

Technologies: Git, Linux, Google Cloud Platform, Vertex AI, HuggingFace, Vector Databases, Docker

PROJECTS

Manara (2025) – Flask, Python, React, custom LangChain-like framework, HuggingFace, Google GenAI SDK

Developed a RAG-based agentic search engine with a custom framework using NLP and vector embeddings to extract, cite, and synthesize verifiable insights from a fragmented corpus, mitigating hallucinations. Engineered a Python/Flask backend with a RESTful API and client-server protocol to serve the AI agent to a React client

Wildfire Predictor (2nd place at MontyHacks 2022) - Flutter, APIs, Flask, Python, NumPy, Pandas

Developed a ML app using a linear regression model to forecast wildfires with 95% accuracy. The app utilized realtime API data on humidity, temperature, and vegetation density to successfully predict California wildfires in 2022

Ghost Trainer (1st place at WWPHacks 2023) - Flutter, OpenStreetMap, GPS, Catmull-Rom algorithm

A fitness app that motivates individuals to enhance their health by generating their own virtual opponent

Verita Health (3rd place at MontyHacks 2021) - Flutter, Firebase

A centralized dashboard for all your health information, this app aggregates medical reports from any source and format, offering a comprehensive view of your health