

KHAJAN SINGH

469-768-6899 | khajan09singh@gmail.com

EXPERIENCE

Founder & President | Cybersentinelz

Company Overview:

- 501(c)(3) **non-profit organization** aimed at spreading awareness on cybersecurity and network topics
- **Reach out** to different professionals in the field and conduct interviews on their work
- **Script/video production** for field topics; YouTube, Instagram, LinkedIn; 1000+ followers and 10,000+ views across platforms
- **Teach children** about the topics to raise awareness of dangers online and prepare them for future jobs

My work:

- **Lead company operations** and manage the teams that create content, plan events, and prepare meetups with professionals
- **Reach out** for company opportunities to meet with professionals and **host events**
- **Manage** club chapters across the FISD district to provide curriculum and opportunities; **\$36k raised** in scholarships so far
- **President** of the Wakeland High School chapter; **Organize** and lead **monthly meetings** on learning high-demand cybersecurity skills (cybersecurity, coding, networking skills)

Chapter Founder/President | Business Professionals of America (BPA)

Established our school's club chapter of the national BPA organization:

- BPA is a Career and Technical Student Organization for students pursuing careers in business management, information technology, medicine, law, marketing, finance, office administration, and other related career fields.
- **Lead and train** 90+ student members to compete; Train and manage 12 officers to coordinate members and **organize club operations/logistics** to ensure smooth and optimized member preparations and competitions for our school

DevOps Engineer Intern | Rolloson

Delivered IT infrastructure support within a law firm, including network troubleshooting and hardware configuration

- **Engineered** Python-based automation pipelines with AI API integrations to optimize digital marketing for a startup product
- Contributed to startup company ThreadCount.io, **frontend and backend logic** for an AI-powered inbox summarization tool for professionals leveraging NLP for classification, prioritization, and action-item extraction.

Solace Scholar | Solace

Worked with Solace, a company that develops event-driven architecture solutions

- Wrote blogs on my tech projects detailing the development process and **event-driven solutions** I integrated
- Presented at the **EDA Summit**, a technical business conference dedicated to emerging technologies in the event-driven architecture and the Internet of Things fields

Personal Projects

- **Smart Plant Health Monitoring System** — Full-stack IoT platform tracking soil moisture, light intensity, and temperature to predict crop stress and optimize yield; integrating ML-based disease detection.
- **EldAid** — In-development React mobile app connecting community elders in need with student volunteers
- **OpenCV Intruder Detection System** — Backyard monitoring system using computer vision to identify and distinguish human and animal intrusions in real time.
- **RFID Attendance Tracker** — RFID-based attendance system that logs student IDs and displays entries on a real-time web dashboard.
- **Methane Detection System** — ESP32-based alert system for detecting methane gas concentrations and sending instant notifications through cloud APIs.
- **Smart Home Automation (MQTT)** — MQTT-based control network for remote home automation and IoT device synchronization within my local community
- **AI Pattern Analysis** — Used PyTorch neural networks to explore correlations in variables like weather trends and stock data for forecasting applications.

Education

Junior at Wakeland High School (469-633-5700)

- **4.0/4.0** Unweighted/College GPA
- Ranked **4/565** in my class

References

Ravi Sinha: r_p_sinha@hotmail.com

Erik Aackerlund: tore@rolloson.com

Aguilar King: aguilar@friscoisd.org