Simardeep Khinda

Burlington, IA | (319) 671-1028 | khindas@my.erau.edu
https://linkedin.com/in/skhinda | https://github.com/skhinda7 | https://simarkhinda.com/

EDUCATION

Embry-Riddle Aeronautical University   **Daytona Beach, FL**
Master of Science in Cybersecurity Engineering   *Jan 2025 - May 2026*

Bachelor of Science in Computer Science; Minor in Business Administration   *Aug 2022 - Dec 2025*
- **Awards:** Presidential Scholarship, SAGE-STEM Scholarship, Dean's List   **GPA:** 3.6/4.0
- **Courses:** Discrete Mathematics, Data Structures and Algorithms, C Programming, Java Programming

Associate of Science in Aeronautical Science   *Jan 2019 - May 2022*
                                                                                               GPA: 3.6/4.0

PROFESSIONAL EXPERIENCE

Brown & Brown, Inc   **Daytona Beach, FL**
Cloud Engineering Intern   *May 2024 - Present*
- Leveraged infrastructure as code (IaC) with CI/CD in **Azure DevOps** for deployments of **Azure Resources**
- Utilized **Azure Automation** and **PowerShell** to modify DNS forwarding rules reducing time from **~20 minutes** to **~1 minute**
- Streamlined the deployment of virtual machines by designing an **Azure Template Spec**, reducing configurations by **75%** from **52 to 13**, alleviating technical debt while boosting efficiency and user experience.

Embry-Riddle Aeronautical University   **Daytona Beach, FL**
Teaching Assistant (CS 222: Discrete Structures and Logic)   *Aug 2023 - May 2024*
- Offered one-on-one tutoring sessions to assist **50+ students** with concepts such as cryptography, truth tables, and formal proofs
- Graded written assignments, ensuring accurate assessment and providing detailed feedback to students

The Space Sole   **E-Commerce**
Founder   *Mar 2019 - June 2023*
- Efficiently managed an e-commerce business specializing in commodities such as sneakers, clothes, and electronics
- Proficiently maintained a stable inventory, promptly fulfilling orders, and fostering strong connections with partners and clients
- Operated automation softwares using Google Cloud servers and proxy servers and tools to **increase revenue by 400%**

Lethal Proxies   **E-Commerce**
Founder   *Dec 2020 - Mar 2023*
- Initiated the hosting of proxy servers through AWS, and worked with major network providers for quality and success for users
- Grossed over **$90k in revenue** in 2022, with improvements to proxy service, marketing, and collaborating with other companies
- Designed Discord bots in Discord.js to improve efficiency for customers contributing to the sale increase of **180% in 2022**

PROJECTS

AI-Enhanced Learning Program | *HTML, CSS, JavaScript, Python, Flask, Postman*   *Sep 2023 - Dec 2023*
- Worked with a team of 4 to develop the website using HTML, CSS, and JavaScript, creating an adaptive learning platform.
- Collaborated on the implementation of **Bayesian Knowledge Tracing** in Python to generate personalized lesson plans based on each child's strengths and weaknesses in mathematics
- Utilized **Postman** for API testing and using the **Flask** framework to host the backend for client-side use

Weather Predictor | *Java*   *Mar 2023 - May 2023*
- Engineered a **time-series** forecasting model leveraging diverse machine learning algorithms, encompassing **linear** and **polynomial** regression techniques for weather prediction
- Employed Java-based software to conduct model training and feature engineering based on 20 or more data points

Project NFT | *Python, JavaScript, Heroku, REST API*   *Feb 2022 - Apr 2022*
- Established a non-profit Discord community to provide over **500 members** with NFT-related information
- Implemented a real-time gas fees and crypto value checker in **Python** and **JavaScript,** updating every 2 minutes with an API

Lethal Proxies Bot | *JavaScript, Node.js, Selenium, Heroku, REST API*   *Sep 2021 - Jul 2022*
- Automated company tasks including real-time stock checking functionality by leveraging **Discord.js** and **Selenium** with the supplier's website, ensuring accurate and up-to-date inventory data
- Maintained and enhanced the bot over 1 year, with periodic updates and new feature implementation

SKILLS & INTEREST

Technical Skills: Java, JavaScript, Python, C, Node.js, Flask, PowerShell, HTML/CSS, Postman, Azure, Google Cloud, Webhooks, REST API, Infrastructure as Code (IaC), Git, DevOps, Virtual Networks, Machine Learning
Languages: Fluent in English; Conversational Proficiency in Punjabi and Hindi