Garv Airi

540-522-6267 | garvairi01@icloud.com | linkedin.com/in/garv-airi/ | Culpeper, VA

OBJECTIVE

Third year Computer Engineering student with Hands on experience through projects. Seeking opportunity to apply my current skills in real practice and develop further skills through targeted mentorship in a team environment.

EDUCATION

Virginia Tech   Blacksburg, VA
Bachelor of science in Computer Engineering   *Aug. 2023 – May 2027*
Cumulative GPA: 3/4.0

Germanna Community College   Culpeper, VA
Associate's in Arts and Sciences   *Aug. 2021 – May 2023*

WORK EXPERIENCE

Bar-Back and Runner   June 2025–present
Bald Top Brewery   *Madison, VA*
  * Ensured Guest expectations were met and exceeded, while maintaining proper team work is ensured
  * Worked on a Point of sale system and ensured efficient transactions and proper guest interactions

On-Demand Guest Advocate   June 2021 – Aug 2024
Target   *Culpeper, VA*
  * Provided exceptional customer service to clients in fast-paced retail environment.
  * Learned on-the-fly to adapt to a fast paced culture and an ever growing business.

Boston General store assistant   June. 2021 – Present
Boston General Store   *Boston, VA*
  * Learned how to provided a base for a growing community and deepened interpersonal skills as well as guest relations to provide an inviting atmosphere.

PROJECTS

Design Team | *VT, CRO- Beamforming Subteam Lead*   Feb 2025 – June 2025
  * Programming Raspberry Pi Pico firmware with PIO, DMA, and SPI/I2C for phased-array beamforming
  * Combining MAX586X DAC/ADC and MAX2822 RF ICs for RF-digital conversion
  * Collaborating with RF/PCB teams to develop SDR-based phased array with analog frontend
  * Using Wireshark to analyze digital beamformed output for WiFi conversion
  * Researching OSI model & GR-GSM for efficient RF-to-network transmission
  * Managing proper communication and ensuring manageable goals and timelines are met.

Drone Simulator | *C++*   May 2023
  * Created a drone simulator in C++ by using given libraries using a functional programming language for pathfinding and flight dynamics.

TECHNICAL SKILLS

Certifications: CompTIA Security+ Cert Id: 3G82JV8YN2E1Q2C2
Languages: , Python, C/C++, HTML/CSS, Verilog, VHDL
CyberSecurity Tools: Wireshark, Metasploit, Kali Linux, Nmap
Hardware Skills: Intel Quartus, LTSpice, FPGA Design, Verilog,
General Skills: Computer Skills(Powerpoint, Word, Sheets), Customer Service, Photoshop
Languages Spoken: Converstational in Hindi and Punajbi, and a Basic understanding of Spanish

EXTRACURRICULARS

TaeKwonDo: For 7 years I did taekwondo under an instructor, and then 6 years as a taekwondo instructor.
Track And Field: I ran track and field for 4 years and spent 2 of those years as a captain for the team, helping lead workouts and provide a foundation of good standing with coaches and athletes.