

Arjun Bhat

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EDUCATION

William & Mary

B.S. in Computer Science, Finance

GPA: 3.95/4.00 (Dean's List)

Relevant Coursework: Algorithms · Software Development · Principles of Programming Languages · Discrete Math · Artificial Intelligence · Web Development · Linear Algebra · Multivariable Calculus · Statistics

Williamsburg, VA

Expected Graduation: May 2027

Thomas Jefferson High School for Science and Technology

High School Diploma

Alexandria, VA

EXPERIENCE

AI Agent Engineering Intern

Hypermindz.ai

May 2025 – Present

Remote, USA

- Deploying CrewAI-based agents for automated resume evaluation and outreach using Python and ReactJS
- Leveraging Streamlit to present live agent demos during internal review sessions
- Conducting hands-on output reviews to iteratively improve prompt design and address agent hallucinations

AI Research Intern

MITRE Corporation

June 2023 – August 2023

McLean, VA

- Explored training generative models (GAN, VAE) on 40K+ instances of network traffic data to assess their potential for simulating realistic user behavior in cyber-attack scenarios
- Modeled users' decision-making processes as discrete-time Markov chains and evaluated the SARSA RL algorithm to refine decision policy structure
- Prototyped a probabilistic behavior model in Julia using Gen to model normal users in adversarial network simulations

Cyber Analytics Intern

MITRE Corporation

June 2022 – August 2022

McLean, VA

- Benchmarked heuristic optimization algorithms (genetic algorithms, simulated annealing, hill climbing) in high-dimensional cyber simulations, analyzing scalability and runtime performance
- Implemented simulated annealing from Bertsimas & Tsitsiklis (1993) to optimize multi-objective defense strategies, improving solution performance by ~60%
- Prototyped Python tools to detect novel cyber kill chains in red team simulations and support threat modeling

PROJECTS

QuickCall911 | *Python, Twilio, Vue.js, Whisper* — Team

March 2025

- Built a real-time voice assistant to triage emergency calls, and hand off conversations to human dispatchers with contextual summaries
- Integrated Twilio to manage real-time emergency calls and implemented Whisper to transcribe multilingual speech into text for AI-driven response generation

Othello Solver | *Python* — Solo

April 2023

- Implemented alpha-beta pruning with a custom heuristic to select Othello moves under a 5-second time constraint
- Optimized game state evaluation using bitwise operations on binary board representations, reducing computation time by ~95%

TECHNICAL SKILLS

Languages: Python, Java, C++, C, JavaScript, Bash, SQL, HTML/CSS

Libraries/Frameworks: TensorFlow, NumPy, Pandas, Matplotlib, Flask, Node.js, Streamlit, ReactJS, CrewAI

Developer Tools: Git, Linux, CMake, Jupyter