Vasishta Malisetty

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EDUCATION

Northeastern University, Boston, MA — May 2026
Bachelor of Science in Computer Engineering — **GPA:** 3.96
Relevant Coursework: Circuits & Signals, Embedded Design, Fundamentals of Digital Design & Computer Organization, Fundamentals of Networks, Computing Fundamentals, Discrete Structures, Physics II
Honors: University Honors Program, Dean's List (Fall 2022 - Present)
Extracurriculars: Generate Product Development Studio, Forge Product Lab, Intramural Soccer, Intramural Basketball

SKILLS

Programming: Python, C++, MATLAB, Java, C, JavaScript, Parallel Programming, SystemVerilog
Design Tools/OS: Linux, Windows, Mac, SolidWorks, AutoCAD, KiCAD, Quartus Prime
Frameworks: Git, CUDA, React.js, Express.js, MongoDB, HTML/CSS
Hardware: Arduino, DE1-SoC FPGA, Soldering

ENGINEERING EXPERIENCE

Hardware Engineer — Aug 2023 - Present
Generate Product Development Studio | Boston, MA
- Designing hardware for SEBIK, an automated table top injection molder that aims to provide a solution to medical supply shortages by producing one common medical product every four minutes
- Owning the injection ram subsystem through conception to integrated prototype through interdisciplinary collaboration with mechanical engineers, ECE's and team designer

Data Security Intern — June - Aug 2023
Rite Aid | Hopkinton, MA
- Conducted 1119 Atomic Red Team tests using the Invoke-Atomic framework, generating threat intelligence reports on telemetry received from CrowdStrike Falcon
- Delivered 532 unidentified IoCs to the Anomali ThreatStream Database by parsing threat intelligence reports on multiple Ransomware groups, successfully preventing a security breach

Design Team Member — Sept 2022 - May 2023
Enabling Engineering | Boston, MA
- Conceptualized an electronic drum set console by integrating C++ code with Arduino, allowing the client to simulate six distinct beats with only one hand
- Produced UI mock-up features for an American Sign Language Translator app using Figma
- Secured project mentorship by presenting UI to ex-Microsoft employee

PROJECT WORK

Full Stack Finance Tracker — June - Aug 2023
Personal | Hopkinton, MA
- Developed a Finance Tracker using React.js, Node.js, MongoDB, and Express.js to track income, expenses, and investments, which reduced personal expenses by 40%

AI Chess Engine — May - June 2023
Personal | Hopkinton, MA
- Programmed a Chess AI in Python, enabling players to challenge the AI program to a game
- Achieved an 1000 ELO rating on Chess.com, placing in the 53rd percentile among all U.S. players

Arduino Sonar System — Sept - Dec 2022
Cornerstone of Engineering | Boston, MA
- Created a sonar UI utilizing MATLAB and Arduino Uno, attaining 100% accuracy in displaying object positioning
- Designed game pieces for the sonar system to detect using SolidWorks and presented an interactive museum exhibit at Northeastern's First-Year Engineering Expo

INTERESTS

Pittsburgh Steelers, Chelsea FC, Chess, Brownies & Cookies, Video Games