

Parth Bhangla

(413) 472-6422 • [Github](#) • [Website](#) • [LinkedIn](#) • Parth Bhangla

EDUCATION

University of Massachusetts, Amherst
College Of Engineering

Amherst, MA
Candidate, May 2026

Bachelors Of Science In Computer Engineering

- GPA: 3.88/4.0, Dean's List (Fall 22, Spring 23, Fall 23)
- Awards: Chancellor's Award (40% of tuition)
- Relevant coursework: Advanced Programming and Algorithms, Computational And Analytical Tools, Introduction To Machine Learning, Circuits And Electronics, Continuous Time Systems and Signals, and Robotics Tech In Healthcare.

WORK EXPERIENCE

BUILD UMass

Amherst, MA

Software Developer and Product Manager

September 2023 - Present

- Leveraged React Native, Firebase, Figma, and Canva to develop the front end, back end, and user interface, respectively, ensuring seamless functionality and intuitive design.
- Headed the development of UMass Market, a mobile application fostering connectivity at UMass Amherst, leading a team through effective collaboration and communication to deliver a high-quality product.

University Of Massachusetts, Amherst

Amherst, MA

Undergraduate Teaching Assistant (Physics 100)

August 2023 - December 2023

- Assisted in running and managing a class with 100+ students.
- Held office hours/help sessions and catering to doubts of the students.
- Responsible for all other relevant classwork.

PROJECTS

Wordle-Solver ([Github](#))

Side Project

January 2024

- Used python, selenium library, web scraping and basic search and elimination algorithms to help solve Wordle.
- Succeeded in tuning the model to guess the answers in an average of 4 tries.
- Deployed it on AWS Lambda and ran it on cloud once a day to get a streak.

Monkeytype-Cheat ([Github](#))

Side Project

Fall 2023

- Used selenium libraries and web scraping to make a cheat for monkeytype.com
- Succeeded in being able to get 800+ wpm on monkeytype.com

Electronic Key ([Github](#))

HackHer413

Spring 2023

- Gave an alternate secure electronic key idea for physical keys used at UMass.
- Hackathon Project: Approximate analysis - Brought cost down by 30% and also solved the problem of physical keys being lost.

M5, UMass

Student

Fall 2022

- Worked with the iconic 1976 KIM-1 board (6502) to make different personal projects.
- Learned about different electrical parts and soldering. Learned and worked with Assembly language.

Line Following Bot

High School Team Advisor

Summer 2023

- Oversaw a team designing a mini scale line following-robot using IR, Ultrasonic sensors.
- Worked on integrating various maze solving algorithms onto the Raspberry Pi.
- Techstack: Raspberry Pi, C#, Arduino, DC motors, Relays etc.

SKILLS AND INTERESTS

Language: Fluent In English and Hindi.

Skills: AWS, Google Cloud, Firebase, Javascript, React Native, Python, HTML, CSS, C#, Arduino, Network Protocols, Linux, Git and Github, MySQL, Excel, MathLab, Wordpress, R, Raspberry Pi.

Interests: Backpacking, Hiking, Boxing, Tennis, Hip-hop.