Rishik Muthyala

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EDUCATION

UNIVERSITY OF MASSACHUSETTS - AMHERST — Amherst, MA

Bachelor & Masters — Expected May 2027

Major in Computer Science; Minor in Business Entrepreneurship

Cumulative GPA: 4.0/4.0; Dean's List 2023-2024

Relevant Coursework: Introduction to Python Programming|OOP (Java)|Physics I, II|Calculus I, II, II (AB/BC)|Linear Algebra|AP CSP, CSA|AP Statistics|AP Biology|AP Psychology | AP Physics I/C|

WORK EXPERIENCE

DROBOT CO. — Bellingham, MA

Software Engineer Internship — May 2023 – Sep 2023

- Collaborated with a team of passionate entrepreneurs to explore strategies for societal moral advancement. 'Drobot,' an autonomous drone company, was conceived to promote non-violence and stability in protests, minimizing human law enforcement intervention.
- API was done in Python and hardware for product was done in C++ | Built also using Next JS, Node JS | Web: MongoDB

COLUMBIA UNIVERSITY - PRE COLLEGE PROGRAM — New York, NY

Student Software Internship — Jun 2022 – Jan 2023

- Leveraged the passion for technology to sharpen software development acumen while engaging in collaborative endeavors alongside diverse peers and esteemed instructors. Additionally, navigated complex coding languages such as Python, Java, and JavaScript, and successfully devised innovative solutions for realistic practical challenges that have been used throughout campus.
- Experience | Multiple projects such as "Wordle AI Bot" + "Restaurant Maniac Program"

ROBOTICS - FIRST TECH CHALLENGE — Woonsocket, RI

Co-Captain — Jun 2021 – Jun 2023

- Collaborated and led a group of passionate students whom I worked with, both the hardware and software side of things, to produce a robot that would compete against other robots in certain tasks in order to score points (First Tech Robotics).

BELLINGHAM PUBLIC SCHOOLS - MATH & SCIENCE — Bellingham, MA

Student Tutor — May 2022 - Aug 2022

- Tutored elementary and middle school students in grade level subjects of mathematics and science. Multiple concepts and topics were taught and ensured every student had an amazing learning experience.

MASS MIRCHI - BOLLYWOOD FUSION DANCE TEAM — Amherst, MA

- Creative Director

PROJECTS

DORMBUDDY — Nov 2023

- Designed and implemented a smart management system to make dorm life much easier and efficient application in a 4-person team using Python in a 3-day hackathon.

PERSONAL WEBSITE — May 2024

- A personal portfolio website crafted using HTML and CSS. A project done within less than a week to showcase my skills.

AUTONOMOUS WATER FILTERING ROBOT — Jun 2022

- Designed and developed an innovative autonomous water filtering robot aimed at providing a sustainable solution for communities facing limited access to clean water using Vex Robotics kit which was coded in Python and C++.

ADDITIONAL

SKILLS & INTERESTS

- | Python, Java, JavaScript, C, C++, Arduino C, RobotC, XCode, TensorFlow, ReactJS, HTML, CSS, NodeJS, NextJS|
- | Machine Learning, Artificial Intelligence, Computer Engineering, UI/UX Development, Quantum Computation|

LANGUAGES & HOBBIES

- | English, Telugu, Hindi, French, Spanish| |Soccer, Basketball, Football, Video-Games, Movies, Concerts|