Madhav Malladi

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EDUCATION

Rutgers University-New Brunswick — **New Brunswick, New Jersey**
Bachelor of Science (B.S.) in Computer Science — *Expected Graduation, May 2027*
- Relevant Coursework: Data Structures, Principles of Computer Science, Introductory Linear Algebra
- Activities and Societies: VEXU Robotics (Programming Team), Rutgers IEEE

Dougherty Valley High School — **San Ramon, California**
High School Diploma — *Graduated June 2024*
- Relevant Coursework: AP Computer Science A (5), AP Calculus AB(5) & BC(5), AP Statistics (5), AP Physics C: Mechanics (4), VS.Net(C#) Programming
- 12 AP Courses
  - 2x AP Scholar with Distinction (2023 & 2024)

De Anza College — **Cupertino, California (Online)**
Dual Enrollment Coursework — *March 2023 - March 2024*
- Coursework**:** Beginning Programming Methodologies in C++, Python Programming, Introduction to Data Science, iOS Development

EXPERIENCE

FIRST Robotics Team #9125 — **Livermore, California**
Lead Software Programmer and Team Technician — *Sep 2022 – Apr 2024*
- Coded my team's robot using Java object-oriented programming, utilizing numerous libraries including REV Robotics and Limelight cameras. Utilized machine learning algorithms for object detection and camera vision.
- In charge of making quick changes to our code based on the team gameplan
- Team Qualified for 2023 World Championships
  - Winners of the 'Rookie Highest Seed' award at Milstein Division
- Skills/Tools: Java, Machine Learning, Computer Vision, Visual Studio Code, Git, Teamwork/Collaboration

Polygence — **San Ramon, California (Remote)**
Student Researcher — *July 2023 – July 2024*
- Completed a machine-learning and statistical analysis research project
- Coded a machine-learning model to predict the All-NBA teams of a season given all players' statistics for that season
- Researched various activation functions and their applications and data science libraries

PROJECTS

ReLU Activation Function to Predict All-NBA Teams (Medium Article / GitHub**)** — *July 2023 – July 2024*
- Coded a ReLU activation function to predict the All-NBA teams given all players' statistics for a given season.
- 98.94% Test Accuracy
- Skills/Tools: Python (NumPy, Pandas, Matplotlib), Jupyter Notebook, Data Analysis, Machine Learning

Personal Portfolio Website (GitHub**)** — *June 2024*
- https://madhavmalladi.github.io/Personal-Portfolio/
- Skills/Tools: HTML, CSS, JavaScript, Visual Studio Code

SKILLS

Programming: Java, Python, C++, C#, Swift, HTML, CSS, JavaScript
Tools: Git, Jupyter Notebook, Visual Studio Code