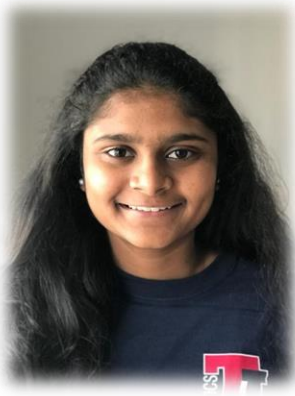


DIYA DINESH



contact

703- 209-9084



diyadinesh19@gmail.com



41281 Lenah Point Dr.
Aldie, VA 20105



education

CLASS OF 2022, 4.3 GPA

Thomas Jefferson High School for
Science and Technology
Alexandria, VA

Nanodegree in AI Programming with
Python from Udacity

certifications

Oracle Certified Java SE 11
Programmer 1 (OCP 1z0-815)

Courageous Leadership Certificate
from William and Mary

key skills

Artificial Intelligence – PyTorch	Computer Vision - OpenCV
Augmented Reality	Web Dev – HTML/CSS/JS
iOS App Dev - Swift	Java, Python, C++
Linux	Robotics, Arduino, CAD, OnBot Java

Objective

Gain hands-on experience contributing to a software development project, collaborate with the teams, and collectively solve business problems using technology. Seeking to apply my skills, knowledge, and experience to build solutions for real-time human problems, understand development models, project governance, and other processes.

Experience

CEO, Founder -- Connecting Communities to Technology (CC2T)

2018 - Present

Founded the nonprofit organization with a goal of bringing technology closer to all the community members (www.cc2t.org). Led the training and mentoring initiative with over 30 volunteers. Managed 35 Cohorts comprising a total of 760+ students of all ages from 7 countries on 11+ technology concepts including Java, Python, Web Development, OnBot Java, CAD, Scratch, Robotics, Arduino etc. Conducted Hackathons and Webinars to connect communities of coders with professionals.

Team Lead -- First Tech Challenge Robotics

2016 – Present

Led the First Tech Challenge competition for 3 seasons. Tasks involved ideation, design, hardware buildout, software coding, testing a robot for the competition challenge in automated and manual robotic operations.

LOGO DESIGN

Global Co Lab Network / 2019 - Present

Supported the design of logos for various global “do tank” initiatives for teens. These programs target UN sustainability development to address global hunger, climate change, food production and consumption.

REVIEWER

2019 - Present

Provided SAT Review services to an online SAT Prep Startup. Reviewed English and Math SAT questions provided feedback on accuracy and complexity of questions and provided reference examples.

Reviewed and rated books to provide recommendations based on plot for various books @ Gum Spring Library.

School Club experience

- **Team Captain** in Future Problem-Solving
- **Team Co-Lead** in CyberPatriots
- **Officer** in Namaste Cultural Club
- **Officer** in Mind Body Medicine Society Club
- **Officer** in Jefferson Poets Club
- **Active Member/Presenter** in Machine Learning, Coding Lady Colonials, and Medical Society

DIYA DINESH

Training and courses

- Cyber security & Cyber safety workshop for Girls @ UMD
- AI & ML bootcamp organized by Elementary2lv
- AI Summit organized by Girls Computing League
- Multiple Hackathons organized by Microsoft, Bishop Ireton etc.
- Moon Base camp organized by Federation of Galaxy Explorers

Awards

Programming:

- Distinguished Student Leadership Award from Harvard WECODE
- Third Place for best AR app at TOHacks AR/VR Challenge 2020
- First Place - Control Award by ARM Inc. for best autonomous programming – First Tech Challenge 2019- 2020
- First Place for the best idea and app at HACK BI III 2019
- First Place for AI Ideathon in AI Summit organized by Girls Computing League
- First Place in American Computer Science League (ACSL) Herndon Regional Division

Relevant coursework

Mathematics:

- Multivariable Calculus Post AP *
- Matrix Algebra Post AP *
- AP Calculus BC
- Pre-Calculus Honors
- Algebra 1 Honors
- Algebra 2 with Trig Honors
- Geometry Honors
- Research Statistics Honors

Computer Science:

- Artificial Intelligence with Python
- Programming Nanodegree from Udacity
- Artificial Intelligence Post AP *
- Computer Vision Post AP *
- AP Computer Science A from Johns Hopkins University
- AP Computer Science with Data Structures
- Accelerated Foundations of Computer Science Honors

Science and Engineering:

- Neurobiology Post AP *
- AP Physics *
- AP Biology
- Biology Honors
- Chemistry Honors
- Design and Tech Honors
- Automation and Robotics Honors *

Academic Projects

- **Critter Project 2019- 2020:** The Effect of Ultraviolet Radiation on the Speed of Planarian Regeneration
- **Robotics Project 2019-2020:** The Robot Project – Design and Develop an Arduino based robot that navigates a maze, competes in a race, and has a creative appearance.
- **Middle School Project:** CAPSTONE Experience Project on Energy Management – Develop Raspberry Pi based temperature control system that shall regulate and control the temperature of a closed space.
- **Middle School Project:** CO2 powered car and miniature model rocket

Area of Interest

- **Intended Major at College** : Computer Science
- **Areas of Interest** : Programming, Artificial Intelligence, Machine Learning, Automation, Robotics, Cyber Security