**Anik B. Patel**

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# EDUCATION

# Old Dominion University (ODU), Norfolk, VA Graduation date: *May 2023*

# Major: *Bachelor of Science, Mechanical Engineering*

# Minor: *Electrical Engineering Technology*

**SKILLS**

*Programing:* PLC/HMI, MATLAB, Node-RED, Django, Python, C++

*Software:* Autodesk Inventor, Autodesk Revit, AutoCAD, Siemens NX, SolidWorks, NASTRAN, CATIA, Simulink, Finite Element Analysis (FEA), XFOIL, Surfaces

*Technical*: Digital Signal Processing, Embedded Systems, Soldering, Drafting, Welding, Lathe Machining, Milling

# WORK EXPERIENCE

*Lockheed Martin* **(**Norfolk, Virginia) *July 2017 – August 2017*

*Mechanical Engineering Intern Full-Time of 40 hours*

* Analyzed and compared specifications of three aircraft to the specifications of the same aircrafts in a simulator to determine the accuracy of the simulator.
* Assisted with troubleshooting and analyzing the differences between three virtual reality simulators including: Genesis, Octagon, and the Oculus Rift.

Old Dominion University (Norfolk, Virginia) *October 2018 - Current*

*Network Technician Part-Time of 20 hours*

* Designed Wireless plans, troubleshooted access points, assisted students and faculty with unusual wireless connectivity issues.
* Configured new Cisco 9000 series switches and performed multiple life-cycle replacements for switches and APC power supplies.

Old Dominion University (Norfolk, Virginia) *January 2020 – Current*

*Electrical Engineering Researcher for ODU Part-Time of 15 hours*

* Working on the publication of two research papers about the Internet of Things.
* Create learning tutorials for students to learn how to use Django and Node-RED for IoT integration.

*Busch Vacuum Solutions* (Virginia Beach, Virginia) *May 2021 – Current*

*Manufacturing Engineering Intern Full-Time of 36 hours*

* Designed and fabricated six fixtures to increase the rate of production for all the Busch Vacuum Pumps that are made in the United States.
* Designed an Actuator Assembly that saves Busch Vacuums more than $5,000 per year to assist the painters in the moly-coat room.

**ENGINEERING PROJECTS**

*Radio-controlled Dragster August 2014 – December 2018*

* Converted a 1/10 scale electric rc car into a 1/8 dragster that reached a top speed of 114 miles per hour.
* This RC car was featured in a magazine subscription called, “Car Action”.

*Fiberglass RC Boats August 2015 – December 2015*

* Fully designed, built, wired, and programmed five RC boats for a Hindu festival.
* The boats received exposure from leaders of the organization and were produced for many of the organization’s centers across the world.

**LEADERSHIP AND EXPERIENCE**

*STEM Academy VEX Robotics Club* (Chesapeake, Virginia) *September 2014 – June 2018*

*President and Engineering Lead*

* First STEM Academy in the Hampton Road’s area to win the Regional and State competition consecutively.
* Received regional exposure and presented our robot to the school board, which led to us receiving more funding for the club.

*BAPS Campus Fellowship at ODU September 2018 – Current*

* Co-founder and Vice-President of BAPS at ODU
* Part of the committee board that helped plan events and spread the Hindu religion to ODU students