

Nikunj Kumar Thakkar

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An aspiring aerospace engineer from University at Buffalo, currently a sophomore student and an undergraduate research assistant focused on Experimental Validation of FEA Results.

Education:

- **Bachelor of Science in Aerospace engineering**

University at Buffalo, June 2020 (Anticipated)

- A four-year, 128-credit, full-time degree with required classes in Propulsion, Spacecraft, Aircraft design, Aerospace engineering lab and Gas dynamics.

- Recipient of University at Buffalo's International Admission Scholarship

August 2016

- **High School**

Jai Ambe Vidyalaya, June 2013 – May 2015.

- High School Diploma from Gujarat Secondary and Higher Secondary Education Board, India

Experience:

- **Mechanical and Aerospace Engineering Department, University at Buffalo, Buffalo, NY**

Undergraduate Research Assistant, September 2017 – Present.

- Responsible for using Creo Parametric to design various geometries for testing.
- Obtaining the bolt size and accordingly designing the hole using the results obtained through simulation.
- Actual testing of geometries through milling machine and validating the FEA results.

- **Aum Shiv Shakti Caterers, Vadodara, India**

Assistant manager, June 2015 – July 2016.

- Responsibilities included planning, management and supervision of events and ceremonies.
- Helped develop a city-wide service network by employing marketing strategies that enabled an increase in the business volume.

Skills:

- Well versed in MATLAB, Creo Parametric, Creo Simulate, Abaqus CAE, SolidWorks.
- Proficiency in using Microsoft Office (Word, Excel, PowerPoint)
- Problem Solving, Adaptability, Teamwork, Leadership, HTML and CSS
- Interpersonal skills and Communication skills.

Clubs:

- SEDS (Students for Exploration and Development in Space)
- AIAA (American Institute of Aeronautics and Astronautics)

Interests:

- Traveling, Hiking, Reading Autobiographies, Watching Sci-Fi films.
- Sports: Soccer, Cricket, Baseball.