

**Shivam Gupta**  
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**EDUCATION**

<b>University of California, Davis</b>	<b>Bachelor of Science, Mechanical Engineering</b>	<b>June 2020</b>
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**WORK EXPERIENCE**

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<b>Undergraduate Researcher,</b> <b>Manufacturing and Sustainable Technologies Laboratory, UC Davis</b>	<b>September 2017 – Present</b>
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- Created Metal Airfoil samples to study two-dimensional steady compressible flow field around an airfoil. Designed a custom vice in SolidWorks to hold the stock and milled them using tool paths designed in Fusion 360.
- Conducted research in the Sustainable manufacturing practices field to inform labs research technique.
- Collaborated with the research team to come up with proposal ideas using Industrial Internet of Things in Manufacturing.

<b>Event Manager, The American Society of Mechanical Engineers, UC Davis</b>	<b>January 2018 – Present</b>
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- Planned annual collegiate Walk on Water competition between 8 different ASME chapters in Northern California.
- Planned events for company recruitments and talk from the Mechanical Engineering Chair at UC Davis.
- Planned recruitment of new members and goals for ASME UC Davis chapter with other officers.

<b>Peer Mentor, Aggie Connections, UC Davis</b>	<b>September 2017-December 2017</b>
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- Provided information, advice, resources, and support to 20 first-year students to aid transition to college.
- Facilitated communication and social interaction within students and provided them with resources to find research positions on campus.

<b>Intern, Engineering Student Startup Center, UC Davis</b>	<b>April 2017– June 2017</b>
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- Participated in student outreach activities to inform students about center events.
- Developed industry relationships for sponsorship opportunities for a specialized 24 hours event called Createathon.

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**SKILLS**

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- 3D modeling and drafting using SolidWorks and Fusion 360.
  - MATLAB, Java and C programming.
  - Computer Aided Manufacturing using Fusion 360 and ESPRIT.
  - Manufacturing processes using 3 and 5Axis Milling Machines.
  - Microsoft Office Suite and Google G Suite.
  - Data Analytics using Google Cloud BigQuery.
  - Web Programming using HTML 5, CSS and Bootstrap Framework.
  - Fluent in English, native in Hindi and Elementary Italian.

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**ACADEMIC PROJECTS**

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| • Manufacturing a Gyroscope using Milling tools, Lathes, 5axis Milling Machines.      | Winter 2017 |
| • Creating a library of functions in C programming using physics equations of Motion. | Fall 2017   |
| • Designing a motor and assembly for a 3D model of a Quadcopter using SolidWorks.     | Fall 2016   |