

Mukesh Ghimire

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EDUCATION:

The University of Mississippi, University, Mississippi, USA

Expected Graduation: May 2020, **GPA:** 3.98 | **Classification:** Senior

Bachelor of Science in Mechanical Engineering, *Honor's Roll*

Minors: Computer Science, Mathematics.

Relevant Coursework:

Thermo-Fluid Dynamics, Fluid Mechanics, Mechanics of Materials, Dynamic Systems Modeling and Simulation, Engineering Analysis

Related Projects:

1. Active Flow Control: Attempt to minimize flow separation on aircraft wings by attaching actuators on the wing surface which provide enough energy to the flow to maintain continuity.
2. Split Hopkinson Pressure Bar Testing to understand failure of composites using image analysis.

Awards:

1. Academic Excellence Award, The University of Mississippi, 2016-2020

PROFESSIONAL EXPERIENCES:

STEM Camp Counselor

May 2018 -July 2018

Office of Pre-College Programs, University, MS

1. Conducted several STEM related camps such as Programming camp, Biology camp, Game Development, and several others throughout the summer.
2. Encouraged students to pursue STEM related education by providing the scope of several different STEM subjects and performing demonstrations such as projectile motion, heat transfer, 3D-printing.

Summer Student Researcher

May 2017 – August 2017

STEMS-REU, University, MS

1. Studied Cannabinoid-I (CB-I) and Cannabinoid-II (CB-II) compounds and read relevant research papers with reported activity of those compounds to create a database of the compounds with good activity.
2. Database Link: cb.olemiss.edu. This is currently only available to selected users.

Community Assistant

July 2017 - Present

Department of Student Housing, University, MS

1. Supervised the male-wing of the Residence Hall-2 by helping residents utilize the resources available on campus and familiarizing them with the rules and regulations of the Residence Halls.

LEADERSHIP AND ACTIVITIES:

Member:

American Society of Mechanical Engineers (ASME)

February 2017 - Present

Phi Kappa Phi

September 2018 - Present

Robotics Club

November 2016 - Present

Tau Beta Pi

November 2018 - Present

SKILLS:

AutoCAD, MATLAB, Simulink, Python, Object Oriented Programming in Java, HTML, CSS, Microsoft Office, Unix