

Banavath Ajay Naik

Email: banavath9913@gmail.com

Mobile: +91-9573793383

LinkedIn: <https://www.linkedin.com/in/ajay-naik-banavath-09568223a/>

Git-hub: Github: Ajay-Naik

Education

Indian Institute of Technology Patna

B.Tech, Mechanical Engineering ,

July 2019 - May 2023

Patna, Bihar

Kavitha Junior College, Kodad

Class XII (Board of intermediate education, Telangana) ,

April 2016 - March 2018

Kodad, Telangana

St Ann's High School, Dondapadu

Class X (Board of secondary education, Telangana),

July 2015 - April 2016

Dondapadu, Telangana

Projects

Full stack E-commerce Site (Web Development)

July 2022

- This is a ReactJs-based imitation of the Amazon Shopping Site. Here, we are able to add your items to the shopping basket and also make purchases using your card through the Stripe payment system. Java Script and ReactJS.

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Modeling of Electro-Chemical Discharge Machining

Aug 2022 - May 2023

- Currently working on improving material removal rate (MRR) by both thermal modelling and chemical etching in non-conducting materials through Electrochemical Discharge Machining.
- Experimental and numerical investigations are done by increasing the voltage and the electrolyte's chemical concentration for Borosilicate glass workpiece.

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Virtual Dynamics Lab | Dynamics Lab

Aug 2021 - Jan 2022

- Developed Virtual lab for ME208 Course : Kinematics and Dynamics of Mechanisms
- An interactive web based application where each experiment contains stimulation video of the mechanism , embedded 3D CAD model (with different viewing options) with its description and application .
- The mechanisms include Indexing Mechanism, Quick-return Mechanisms, Single Slider Crank Mechanism, Rack and Pinion Mechanism, Intermittent motion Mechanism, Four Bar Mechanism.

Technical Skills

Programming Languages: HTML,CSS, NodeJS, ExpressJS, MATLAB,

Software Skills: MS-Word, MS-PowerPoint, MS-Excel, Solid Works , ANSYS Workbench.

Other Skills:

Good problem solving skills

Strong analytical skills

Excellent verbal and written communication skills

Collaborative and love to work in group

Achievements

- * Qualified in Gate Mechanical Engineering 2022.
- * Secured AIR 680 in JEE Advanced out of 2,45,194.
- * Awarded the Institute Merit-Cum-Means Scholarship for three consecutive Academic years 2019-20, 2020-21,and 2021-22.

Leadership

- * Worked as hostel Secretary Senior Year 2022-23
- * Worked as Coordinator in CND, Celesta 2021.
- * Winners in Basketball, Infinito 2022.
- * Worked as Sub-Coordinator in Basketball.