



# Aravind Vinjamur Murali

Roll No.:21102057

Your Course

Chemical Engineering

Indian Institute Of Technology,Kanpur

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Github | Website

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## EDUCATION

Year	Degree/Certificate	Institute/Board	CGPA/Percentage
2021-Present	M.Tech. (CHE)	Indian Institute of Technology, Kanpur	8.4 (Current)
2017-2021	B.Tech. (CHE)	Sri Venkateswara University, Tirupati	8.6
2017	Senior Secondary	BIEAP Board	98.60%
2015	Secondary	BSEAP Board	97%

## ACADEMIC PROJECTS

- Recycling Of Lithium-Ion Batteries** May 2022-Ongoing  
*Mentor: Dr.Raju Kumar Gupta,Dept:Chemical Engineering,IIT Kanpur* Kanpur
  - With growing emphasis on energy crisis and env pollution REcycling of LIBs are very important aspects..
  - Developed a plugin that simplified the debugging process by differentiating log messages with a different colour that helped the support team while investigating incidents.
- Production Of Ethylene Glycol** Jan.2021 - May.2021  
*Mentor:Dr.B.Sarath Babu,S.V.University* Tirupati
  - Ethylene glycol is very important chemical used across the industries forv its highly applicable and versatile properties.
  - Made website mobile-friendly and increased Google web dev score by 50 points.
- Design Of Pump** May.2019 - June.2019  
*Mentor:Mr.M.Prasad,Assistant Manager,Amara Raja Batteries Limited* Tirupati
  - Ethylene glycol is very important chemical used across the industries forv its highly applicable and versatile properties.
  - Pump design is very important characteristics and is widely significant in its applications.

## COURSE PROJECT

- Chemical Vapor Deposition:Effect of Temperature,Presssure and flowrate on the growth rate**  
*Developed the graphical relation using MATLAB to analyse the effects of temperature,pressure and gas flow rate on the growth rate of o.*
  - Tools & technologies used:** NextJs/ReactJS, Strapi/Node, Tailwind/CSS
- What To Watch Next** Dec. 2021 - Jan. 2022  
*Content based Movie Recommendation system that recommends 5 other movie based on a given movie.* Live Url | Github
- Kisan Mitra(SIH 2019)** Feb. 2019 - Mar. 2019  
*Web Portal for Ministry of Agriculture to view the predicted crop yield data in geo-refrenced map.* Github
  - Tools & technologies used:** QGIS, Java, HTML, CSS, JS, ChartistJS
  - Created APIs to fetch crop production data and displayed them into Geo-refrenced Map.

## KEY COURSES TAKEN

- Chemical Reaction Engineering(UG),Transport Phenomena(PG),Thermodynamics(PG),Process Dynamics and Control (UG),Mass Transfer and operations(UG),Heat Transfer(UG),Process Engg. principles in micro fabrication(PG),Computer Aided Process Equipment design and drawing(UG)

## TECHNICAL SKILLS

- Programming:** C,Python,SQL
- Tools & OS:** Git, Jupyter Notebook,Google Colab, Linux, Windows
- Libraries/Frameworks:** Pandas, Numpy, scikit-learn, JQuery
- Web Skills:** HTML/CSS/JS, ReactJS/NextJS

## POSITIONS OF RESPONSIBILITY

- Teaching Assistant,Chemical Engineering IIT Kanpur,Jeet Bindra Unit Operations Laboratory** Assisted,Drafted and evaluate
- Event Head,Nexus Coding Club, IEM Kolkata** Apr. 2018 - Apr. 2019

## ACHIEVEMENTS

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- **Secured 3rd Position** Police Commemoration day, AP Police, Government of India. *2019*
- **Winner** Web Designing Competition(URECKON'18) organized by University of Engineering & Management, ISRO *2018*
- **Github Arctic Code Vault Contributor** Contributed code to several repositories in the 2020 GitHub Archive Program *2020*

## CERTIFICATIONS

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- Certification on Introduction to C
  - NPTEL Certification on Energy Economics and policies
  - Internshala Certification on Advanced Excel
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