



Aravind Vinjamur Murali

Roll No.:21102057

Your Course

Chemical Engineering

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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** Apr. 2022
Developed the graphical relation using MATLAB to analyse and model the process
 - 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(ongoing)
- 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 evaluated
- Event Head,Chemosphere,A National level Student Technical Symposium,S.V.University** Organized Various Activities like int

ACHIEVEMENTS

- **Secured 3rd Position** Police Commemoration day, AP Police, Government of India. *2014*
- **Honourable mention** A National level essay competition UN *2019*
- **Gold Medal** In quiz competition conducted in School level
Archive Program *2020*

CERTIFICATIONS

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