PALLAB KARMAKAR

Chemical Engineer | Generative AI certification | Math expert

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📍 westbengal,   DOB: 03.09.1985

Summary

Chemical Engineer with extensive experience in production and project management. I have done a project to summarize and analyze research on the impact of climate change on biodiversity using Generative AI tools and various prompts from Skillible. I have got 98.63% marks after completing this project.

Skills

Engineering and Technical Skills

Heat transfer │ Thermodynamics │ Fluid mechanics │ Basic chemistry │ Basic C-language │ GEN-AI tools │ Prompt creation │ Job simulation (software-engineering)

Professional Skills

Microsoft Word │ Excel │ PowerPoint │ Communication │ Leadership │ Quick learning

Work Experience

Subject matter expert in mathematics   April 2023 - Present

Chegg India Private Limited

- **Enhanced student learning** by providing clear, step-by-step solutions to complex mathematical problems across various topics, ensuring accuracy and understanding.
- **Increased response rate** by solving over 500+ math queries monthly, maintaining a solution accuracy rate of 98%.
- **Developed optimization models** to solve mathematical problems more efficiently, improving solution delivery times by 15%.
- **Collaborated with cross-functional teams** to develop new strategies for improving the online learning experience, enhancing the overall customer satisfaction rate.
- **Trained new team members**, sharing best practices and mathematical problem-solving techniques, resulting in a 20% faster onboarding process.

Project Manager   September2010 - December 2021

Tara Maa Enterprise

- **Increased sales revenue by 25%** within two years through strategic sales and marketing initiatives.
- **Led a team of 10+ sales representatives**, improving their performance through targeted training.
- **Reduced stock discrepancies by 15%** by implementing an improved inventory management system.

Production chemist   September 2008 - September 2010

Deb Paints Private Limited

- Conducted **daily testing, titration,** and **calibration**, reducing errors by **5%**.
- **Optimized testing procedures**, reducing overall testing time by **10%**.
- Improved **product quality**, resulting in a 7% decrease in defective batches and a 3% increase in customer satisfaction.

Projects

Project on summarizing and analyzing research on the impact of climate change on biodiversity using Generative Ai and Prompt engineering skills.

- Link: https://lnkd.in/e2qq9C_V.
  Link: https://lnkd.in/ezjdPyB7.

Software engineering job simulation

Completed software engineering expertise through a rigorous job simulation with **Goldman Sachs** on the Forage platform using Generative AI tools.

- Link: https://www.theforage.com/simulations/goldman-sachs/software-engineering-unei.

Generative AI course and project

- Applied knowledge gained from a **Generative AI course** and **project** to develop practical skills in **prompt engineering** and **Generative AI tools**.
- Achieved 98.63% marks and certification.

NADI AI-training course

·   Completed NADI AI- training course from I- STEM supported by Convoi Innovations Pvt Ltd with certification.

Education

B-TECH IN CHEMICAL ENGINEERING

DURGAPUR INSTITUTE OF ADVANCED TECHNOLOGY & MANAGEMENT :2004-2008   70.30%

Higher Secondary (12th or Eq.)

HATGOBINDAPUR M.C.HIGHSCHOOL: 2002-2004   55%

ICSE (10th or Eq.)

HOLY ROCK SCHOOL: 2000-2002   53%