Rahul N

https://rahulmark42.github.io/MyWebpage/ | rahulrahul101099@gmail.com | https://www.linkedin.com/in/rahul-n-5a0281176/ | https://github.com/RahulMark42

EDUCATION

- **National Institute of Technology, Andhra Pradesh**
  B. Tech, Chemical Engineering, GPA: 7.93/10 (5 semesters)
  2018 – Present, Expected Graduation – 2022
- **Sri Chaitanya Techno Schools, Bangalore**
  12th Grade (CBSE): 94.4%
  10th Grade (CBSE): 10.0/10.0
  2013 – 2017

PROFESSIONAL DEVELOPMENT

- **Applied Data Science with Python Specialization – June 2021**
- **Google Data Analytics Professional Certificate Specialization – June 2021**
- **Operations Research: Models and Applications, Algorithms – June 2021**
- **Supply Chain Management Specialization – May 2021**
- **Deep Learning Specialization – August 2020**
- **Introduction to Programming with MATLAB – July 2020**
- **8 badges of recognition in Google Cloud Platform – October 2019**
- **Machine Learning with Python – June 2019**

EXTRA-CURRICULAR ACTIVITIES AND AWARDS

- **ABSORB – Chemical Engineering Departmental Magazine | NIT – Andhra Pradesh**
  Lead Editor, Lead Designer, and Content Creator
  August 2020 – Present
- **Developer Student Club (Google Developers) | NIT – Andhra Pradesh**
  Core Technical Team Member
  September 2018 – September 2020
- **Entrepreneurship and Innovation Cell | NIT – Andhra Pradesh**
  Joint Secretary
  October 2019 – August 2020
- **Chemical Engineering Association | NIT – Andhra Pradesh**
  Joint Secretary
  September 2019 – Present
- **Task Force | NIT – Andhra Pradesh**
  Operations Team Co-Ordinator
  October 2019 – Present
- **Recognized as a Microsoft Technology Associate in Programming with Python, January 2020**
- **Participated in Codathon, an Inter NIT Coding Contest organized by ISTE Student's Chapter, MANIT hosted at HackerEarth, January 2019**
- **Regional Topper, Informatics Practices – CBSE 2017 12th grade examinations awarded by TVS Motor Limited., August 2017**
- **School-level Gold and Bronze Medals in the International Science and Mathematics Olympiad respectively, 2013**

EXPERIENCE

- **Project Intern, Indian Institute of Chemical Engineers**
  July 2021 - Present
  - Ongoing training and certification by industry experts and work on a project involving the concepts of Six Sigma: Yellow Belt and its application to the Chemical Industry
- **Data Science and Machine Learning Intern, The Intern Academy**
  July 2021 - Present
- **Machine Learning Intern, Verzeo Edutech (Authorized Education Partner, Microsoft)**
  June 2019 – July 2019
  - Successfully implemented a project for determining the topic of an article using Machine Learning in Python.

PROJECTS

- **Deep Eutectic Solvents, Preparation Methods, and Applications**
  Worked on a team, researching the topic of DESs, their properties, their preparation methods, and their uses in the chemical industry.
- **Study of Pollutants (PM2.5, PM10, CO, NO2, SO2), mean temperature and its effect on fog formation using Python**
  A data visualization project to analyze the effect of levels of pollutants such as PM2.5, PM10, CO, NO2, SO2 on the levels of fog around a region using matplotlib, NumPy, and pandas in Python.
- **Chemical Virtual Laboratory**
  An ongoing project to develop a mobile application using Flutter can virtually enable students to gain laboratory experience.
- **Damage Review of Hurricane Harvey**
  Undertook a data analysis project to find out the most affected states, provide the best possible measures and assess the damage caused by Hurricane Harvey; a category 4 hurricane that made landfall in August 2017 in the U.S.
- **COVID – 19 Data Analysis using Python**
  The goal of the project was to analyze the correlations between the infection rates of COVID – 19 and the happiness indices of countries worldwide, along with other factors such as Social Support, Healthy life expectancy, and Freedom to make life choices using tools such as Seaborn, NumPy, and pandas in Python.
- **Supply Chain Management Strategy for Medical Technologies Corporation**
  Implemented a Supply Chain Management Strategy, using supply chain tools and methods to create and successfully manage a complex network of companies in a real-life case scenario.
- **Other Projects**
  - Created an app inspired by the show Silicon Valley, named SeeFood, using Flutter and passing images through a neural network to identify different kinds of food.
  - Developed a website named FMAIL that can send emails and chat messages using PHP and HTML.
  - Worked on an application for DSC – NIT Andhra, to send event reminders using Google Firebase and Flutter.