RAHUL N

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EDUCATION

National Institute of Technology, Andhra Pradesh, India 2018 - Present
B.Tech, Chemical Engineering *Expected Graduation 2022*

- SGPA: 9.35/10, CGPA: 8.16/10, First Class with Distinction.
- Studied core subjects of Chemical Engineering such as Heat Transfer, Mass Transfer, Reaction Engineering, Thermodynamics, Transport Phenomena, Process Control and Equipment Design. Completed 6 Semesters.

Sri Chaitanya Techno Schools, Bangalore, India 2013 - 2017

- 12th Grade(CBSE): 94.4%
- 10th Grade(CBSE): 10.0/10.0

PROFESSIONAL EXPERIENCE

Project Intern, Jul. 2021 - Present
Indian Institute of Chemical Engineers

- Ongoing training by industry experts in the Six Sigma methodology by analyzing a multitude of real - life case studies.
- Presently working on a project to implement the Six Sigma methodology to a Chemical Industry.

Data Science and Machine Learning Intern, Jul. 2021 - Present
The Intern Academy

- Selected in the 50°C Summer Internship Program as Data Science and Machine Learning Intern.
- Created a Machine Learning model to recognize the Handwriting of a person and convert it to text using a Support Vector Machine classifier.
- Currently working on analyzing biomedical voice measurements and creating a model from a Parkinson's Disease Dataset to identify symptoms of the Parkinson's Disease using Logistic Regression.

Associate, May 2021 - Present

- Actively conducted literature reviews on the areas of electrochemistry involving Deep Eutectic Solvents and their applications to the processes of electrodeposition and electropolishing.
- Worked along with Dr. Prince Kumar Baranwal on co - authoring a manuscript on the same topic, currently under scrutiny for publication.

Intern, Jun. 2019 - Jul. 2019
Verzeo Edutech (AEP Microsoft)

- Successfully implemented a Machine Learning project for determining the topic of an article using Latent Semantic Analysis in Python.

PROFESSIONAL DEVELOPMENT

- Six Sigma: Green Belt Specialization by University System of Georgia Jul. 2021
- Industrial IoT on Google Cloud Platform Jul. 2021
- Applied Data Science with Python Specialization by University of Michigan Jul. 2021
- Google Data Analytics Professional Certificate by Google on Coursera Jun. 2021
- Operations Research: Models and Applications, Algorithms by National Taiwan University Jun. 2021
- Supply Chain Management Specialization by Rutgers the State University, New Jersey May 2021
- Deep Learning Specialization by DeepLearning.AI Aug. 2020
- Introduction to Programming with MATLAB Jul. 2020
- 8 badges of recognition on Google Cloud Platform Oct. 2019
- Machine Learning with Python Jun. 2019

SKILLS

Languages - Python, SQL, R, MATLAB, JAVA, C++.

Software - Aspen Plus, Android Studio, Git and GitHub, Excel, MS Office, Tableau, Minitab, Photoshop.

Tools - Lean Six Sigma, Machine Learning and AI, Data Science and Data Analysis, Operations Research, Supply Chain Management.

PROJECTS

Deep Eutectic Solvents, Preparation Methods, and Applications.

- Worked on a team of student peers carrying out a minor research project on the topic of DESs, and reported their properties, their preparation methods, and their uses in the chemical industry.

Study of pollutants and the mean temperature and their effect on fog formation.

- A data visualization project to analyze the effect of levels of pollutants such as $PM_{2.5}$, PM_{10}, CO, NO_2, SO_2 and the mean temperature on the levels of fog around a region in Delhi using matplotlib, NumPy, and pandas in Python.

Chemical Virtual Laboratory.

- An ongoing project to develop a mobile application using Flutter that can virtually enable students to gain laboratory experience.

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.

EXTRA - CURRICULAR ACTIVITIES AND AWARDS

ABSORB, The Chemical Engineering Magazine NIT − Andhra Pradesh   Aug. 2020 - Present
Lead Editor and Designer, and Content Creator

Developer Student Club (Google Developers)   Sept. 2018 - Sept. 2020
Core Technical Team Member

Entrepreneurship and Innovation Cell, NIT − Andhra Pradesh.   Oct. 2019 - Aug. 2020
Joint Secretary

Chemical Engineering Association, NIT − Andhra Pradesh.   Sept. 2019 - Present
Joint Secretary

Task Force, NIT − Andhra Pradesh.   Oct. 2019 - Present
Operations Team Co - ordinator

Recognized as a Microsoft Technology Associate in Programming with Python.   2020

Participated in Codathon, an Inter NIT Coding Contest organized by ISTE Student's Chapter MANIT, hosted at HackerEarth.   Jan. 2019

Regional Topper, Informatics Practices − CBSE 2017 12th grade examinations awarded by TVS Motor Limited.   Aug. 2017