RAHUL N

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EDUCATION

National Institute of Technology, Andhra Pradesh - B. Tech, Chemical Engineering   2018 - Present
- SGPA: 9.33/10, CGPA: 7.93/10 (5 semesters)
- Studied core subjects of Chemical Engineering such as Heat Transfer, Mass Transfer, Thermodynamics, Transport Phenomena, Process Control, Equipment Design. Completed 6 Semesters

Sri Chaitanya Techno Schools, Bangalore   2013 – 2017
- 12th Grade (CBSE): 94.4%
- 10th Grade (CBSE): 10.0/10.0

PROFESSIONAL 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
- Currently working on multiple projects
  - Hand-Written Digit Recognition using a Random Forest Classifier and a Support Vector Machine
  - Speech Emotion Recognition
  - Parkinson's disease recognition.

Intern,

Verzeo Edutech (AEP Microsoft)   June 2019 - July 2019
- Successfully implemented a project for determining the topic of an article using Machine Learning in Python.

PROFESSSIONAL DEVELOPMENT

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

SKILLS

Languages
- Python
- SQL
- R
- MATLAB
- JAVA/C++

Softwares
- Android Studio
- Git and GitHub
- Excel
- Photoshop

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

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.

EXTRA-CURRICULAR ACTIVITIES AND AWARDS

- **ABSORB – Departmental Magazine | NIT – Andhra Pradesh**   August 2020 – Present
  Lead Editor, Lead Designer, and Content Creator
- **Developer Student Club (Google Developers) | NIT – Andhra Pradesh**   September 2018 – 2020
  Core Technical Team Member
- **Entrepreneurship and Innovation Cell | NIT – Andhra Pradesh**   October 2019 – August 2020
  Joint Secretary
- **Chemical Engineering Association | NIT – Andhra Pradesh**   September 2019 – Present
  Joint Secretary
- **Task Force | NIT – Andhra Pradesh**   October 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**   January 2019
- **Regional Topper, Informatics Practices – CBSE 2017 12th grade examinations awarded by TVS Motor Limited.**   August 2017