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OBJECTIVE

Seeking for opportunities/projects in industry wherein I can use my analytical and programming skills and Chemical Engineering fundamentals to fulfil the requirements of the company.

EXAMINATION	University	Institute	Year	CPI / %
Graduation	RGPT	Rajiv Gandhi Institute of Petroleum Technology	2019	7.52*
Intermediate/+2	CBSE	Atomic Energy Central School No-4	2017	88.6
Matriculation	CBSE	Atomic Energy Central School No-2	2015	90.6

*Till 6th Semester

INTERNSHIP /ACADEMIC PROJECTS

Internship – Android Developer, SenSen Networks [June'20 – Present]

- Developed an android application implementing motion detection through device camera using the OpenCV Sdk for Android showing features like difference bitmap, contours, threshold bitmap etc. as a part of an R&D project for the organization.
- Worked on 20+ development tickets including features, bugs and hotfixes till date for GeminEYE, the official ANPR app of SenSen Networks.

Internship - Mobile Developer, Vizitor [May'20 – July' 20]

- Developed a newer version of the Vizitor Pass application with completely new UI/UX, new features and bug fixes with a better architectural approach, from scratch.
- Hybrid development (IOS & Android) with Flutter SDK and Dart.

Internship - Android Developer, BindSocial [May'19 – July' 19]

- Wrote over 2000 lines of code, worked on design and development of BindSocial's Android Application.
- Exploratory analysis on big data using python.
- Built a web scraping tool in Python as per the company's requirement.

Inhibition in Natural Gas Pipeline ([Project Link](#)) [September'19 – November' 19]

Mentor: Dr. U.Ojha

- Calculates the amount of inhibitor required in a Natural Gas Pipeline based on input data.
- Programmed in Python.

Insulation Cost Calculator ([Project Link](#)) [September'18 – November' 18]

Mentor: Dr. Milan Kumar

- A tool for Chemical Engineers for calculating the cost of insulation taking into consideration, conduction and convection, programmed in Python.
- Numerical method (Newton Raphson) has been used in the program for solving non-linear equations.

Sociological Research on “Factors Influencing Happiness Index of Students in Engineering Colleges” ([Project Link](#)) [March'19 – April' 19]

Mentor: Dr. Anirban Mukherjee

- Collected data based on a standard questionnaire from more than 50 plus colleges across India for analysis and hypothesis testing.
- Exploratory Data Analysis on data collected consisting of Chi-Square Testing and AB testing for validating the hypothesis.

Intelligent Fire Alarm System [November'17 – January' 18]

Mentor: Dr. Susham Biswas

- Developed a prototype for wireless fire alarm system, along with a team of 5, which can be monitored & controlled using a mobile application with the capability of self-testing and provide exit

routes to minimize installation costs, property loss, and save human lives in fire hazards.

- This project was published in DEW Journal (Leading Oil & Gas Journal in India), February Edition, 2018.

Attendance System for Institute ([Project Link A](#) | [Project Link B](#)) [October'18 – January'19]

- Mentored and assisted a team in developing a prototype for Attendance System in Institute.
- We developed 2 Applications in Java which interacted through server to complete the attendance process based on the logic we implemented.

Image Sentiment Retriever ([Project Link](#)) [October'19 – November'19]

- An android application using which the user can retrieve the sentiments of all the text in an image in an audio and visual format.
- Programmed in Java and Python using Android Studio, Tensorflow, and Firebase ML-kit.

AWARDS AND ACHIEVEMENTS

- Qualified Jee Advanced 2017 with a rank of 15864 translating to 92 percentile with a score of 86/122 in Mathematics.
- Our Project “Intelligent Fire Alarm System” secured first position in Winter School 2k18.
- Got Certified in Machine Learning from Coursera with a score of 95%.
- Developed the Android Application for Winter School 2019 which is published on Playstore with a rating of five stars from 100 plus users and.
- Successfully organized Logico (Competitive Coding Contest) in Urjotsav'19 (Techfest of RGIPT).

TECHNICAL SKILLS

- Software Skills: AutoCAD, ANSYS Mechanical, ANSYS Fluent, Microsoft Excel, Mathematica
- Programming Languages: Python, C, Java, Javascript, Dart, PHP
- Database: MySQL, Google Firebase, MongoDB
- Areas Of Interest: Simulation, Computational Fluid Dynamics, Process Design, Separator Design, Data Visualization, Machine Learning, Android Application Development, Algorithms, Software Development, Marketing and Management

POSITION OF RESPONSIBILITY

- **Member Of Council, Science and Technical Council, RGIPT** [July'19 – Present]
 - Instrumental in building coding culture in an energy-themed institute.
 - Member of Event Management Team, **Urjotsav 2k19**.
- **Kode Club Convenor, Science and Technical Council, RGIPT** [July'18 – April'19]
 - Developed the **Android Application** for **Winter School 2k19**.
 - Appointed as the Publicity Head Winter School 2k19, managed to get 150 plus registrations.
- **Cyber Gaming Volunteer, Kaltarang 2k18** [March'18 – April'18]
- **Volunteer in Sponsorship Committee, Kaltarang 2k18** [December'17 – March'18]

WORKSHOP AND CONFERENCES

- Attended workshop on **Data Analytics in Oil & Gas Industry** in Winter School 2018.
- Attended workshop on **Computational Fluid Dynamics** in Winter School 2019.
- Attended **Renaissance'18** (an Entrepreneurship Summit) organised by NIT Allahabad.