

Sarthak Agarwal

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Education

BITS Pilani

Pilani, India

BACHELOR OF ENGINEERING IN CHEMICAL , MINOR IN FINANCE

May. 2022

- **Relevant Course Work:** Data Structures and Algorithms | Object- Oriented Programming | Database Systems
- **Extracurricular:** Learning Unit Manager at ShARE BITS Pilani(2020-21) | Joint Co-ordinator at APOGEE 2021 (2020-21) | Charter Team Member of Toastmaster International BITS Pilani

Skills

Languages **Advanced:** C++, Python, C | **Intermediate:** Go Lang, Java | **Beginner:** JavaScript
Technologies **Advanced:** HTML , CSS , SQL , Git , Excel | **Intermediate:** Node.js , MongoDB ,Vue.js | **Beginner:** React , Tableau ,AWS

Experience

UltraTech Cement Pvt. Ltd.

India

TECHNICAL AND RESEARCH INTERN

May. 2020 - June. 2020

- Visualized data of 20+ “Refused Derived Fuel (RDF),” analyzed data of kotputli plant using pythons ,PopSQL, Excel to improve efficiency.
- Proposed an RDF(Grade 2)+ SRF (Grade4) in equal ratio, 4.6% cheaper with the same efficiency; under further consideration.
- Deployed Cement Kiln Models and suggested SRF-4, which improved RDF burning time by 2.3% per feed and reducing kiln temperature.

Uttar Pradesh Government Sugar Mills Ltd

India

TECHNICAL AND RESEARCH INTERN

Sept. 2020 - Mar. 2021

- Operated boilers ,Steam Electricity Generator ,processes at one of largest Sugar plant since 1967 of 5000tonne manufacturing capacity.
- Deployed 1000+ client’s data to servers and worked on databases of inventory management and due cost to various clients.
- Deployed data from laboratories in Tableau and MySQL for changes in compositions used to improve product Efficiency.

Allkonnnect Ltd

India

TECHNICAL INTERN

Jul. 2020 - Aug. 2020

- Tech stack HTML, CSS, MySQL ,Tableau , MongoDB , Node.js ,Excel
- Worked on the company site deployment and database for analyzing data collected for Index base development.
- Consolidated data of Indexes like DJSI, GHS, and case studies to propose a better 2.16% Index for pandemics severity and Crises Management.

Projects

Facebook Help Desk

React, Node.js, MongoDB, Facebook API

Mar. 2021 - Apr. 2021

- Uses Facebook authentication and API to connect user’s account and profile and save them to the database.
- Implemented UI for the user to see the comments in their posts and messages and reply via the Help Desk.
- Developed chatting bot which would give automated reply with defined response to comments and texts received on posts and messenger.

Expense Manager

Vue.js, Node.js, MySQL

June. 2021 - Aug. 2021

- Allows the user to login to the portal using Passport.js for secure authentication and manage their expenses
- Generates Monthly,Weekly expense report using Chart.js to display data in various graphical formats like graphs, histogram and pie charts.

About Me

I am a passionate, hard-working individual and want to create an impact with what I do. I am a fast learner and love learning new technologies. I am supporting team players like communicating with people and learning about areas I have not explored before, which helps me grow

Additional Details

Achievements NTSE stage 1 Qualifer | Guinness Record ”World Longest Painting” | B1 Certified the French Language

Hobbies Badminton | Chess | Music | Movies

Languages English | Hindi | French