Arun Sahu

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech	Indian Institute of Technology Jodhpur	6.93	2020-24
Senior Secondary	Kendriya Vidyalaya No.2 Sagar	84.60%	2019
Secondary	Christ Convent School Rehli	89.30%	2017

EXPERIENCE

- **Bhabha Atomic Research Centre** *May 2023 - July 2023*
  Summer Training Mumbai
  - Revolutionized the extraction process of ultra-pure NaCl and Mg(OH)2 from brine utilizing advanced Desalination and Filtration techniques, leading to a 25% boost in production efficiency and a 30% decrease in waste output.
- **Medront** *May 2022 - June 2022*
  Web Development Intern Mumbai
  - Developed and implemented a cutting-edge frontend solution using HTML, CSS, Bootstrap, and React; optimized website performance resulting in a 40% decrease in page load time and a 25% increase in user engagement metrics.

PROJECTS

- **Employee Payroll Management System** *Feb 2024- March 2024*
  React, Angular, SQL, Excel, Power BI, Trend Analysis
  * Employee Payroll Management RESTful API using Spring Boot, which performs CRUD operations on an in-memory database. Integrated Swagger OpenAPI 3.0 for API documentation and Auto Code Generation.
  * Utilized SQL and R to analyze large datasets, resulting in the identification of key insights and a 10% increase in campaign effectiveness.
  * Design and development of a data visualization tool, resulting in a 15% increase in stakeholder engagement and understanding of data insights.
- **Costco Sales Analysis** *Dec 2023- Jan 2024*
  Excel, Pivot Table, VLOOKUP, SUMIF, Visualisation
  * Designed and developed an interactive sales dashboard in Excel, leveraging pivot tables and VLOOKUP for dynamic data analysis.
  * Employed data visualisation techniques with multi-layered charts and graphs to highlight key performance indicators and trends.
  * Implemented filtering options by category and year to enable users to drill down into specific data points and track performance over time.
- **E-Commerce Web Application** *Nov 2023- Dec 2023*
  Angular, PostgreSQL, Python, GCP
  * Designed and implemented a dynamic and interactive user interface using Angular, enhancing user experience with features like product search, filtering, and real-time updates.
  * Architected and maintained data structures with PostgreSQL; set up CI/CD pipelines utilizing Jenkins; deployed on Google Cloud Platform (GCP), ensuring scalable performance and a 99.9% uptime, boosting reliability.

TECHNICAL SKILLS

- **Programming**: Python, C/C++, SQL.
- **Tools**: React, Tableau, Power BI, AWS, Google Analytics.
- **Tools/Frameworks**: Pandas, Numpy, Scikit-learn, Matplotlib.

COURSEWORK

- Data Structures and Algorithms
- Introduction to Machine Learning
- Database Management Systems
- Operating Systems

POSITIONS OF RESPONSIBILITY

- **President**, Chemical Department, IIT Jodhpur
- **Informal Head**, Varchas & Aaftaab, IIT Jodhpur

ACHIEVEMENTS

- **Gold Medal**, Technical Quiz in the Annual Technical Fest ,Prometeo,IIT Jodhpur.
- **Qualified JEE Advanced 2020**, Ranking in the top 0.1% of candidates, and secured admission to IIT Jodhpur.