Sumeet Bidhan

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ACADEMIC QUALIFICATION

1. B.Tech. (Biochemical Engineering) (2020) – CGPA 6.86 from Guru Gobind Singh Indraprastha University
2. Class XII (65.5 %) (2016) under CBSE from Kendriya Vidyalaya
3. Class X (CGPA 9)(2014) under CBSE from Kendriya Vidyalaya

INTERNSHIP EXPERIENCE

1. **VeriTech Software IT Services,** Pune, India Jan - March 2024 During my web development internship, I had the opportunity to work extensively on various projects, contributing to both front-end and back-end development tasks. I primarily utilised languages such as HTML, CSS, JavaScript, and jQuery for front-end development, creating visually appealing and user-friendly interfaces. I implemented responsive design principles to ensure optimal viewing experiences across devices.

For back-end development, I worked with languages such as PHP and Python, integrating database management systems like MySQL and MongoDB. This allowed me to develop dynamic and interactive web applications, handling data processing and user authentication functionalities.

Throughout the internship, I collaborated closely with senior developers to understand project requirements and deliver high-quality solutions. I gained valuable experience in version control using Git and GitHub, as well as in using frameworks like Bootstrap and React.js to streamline development processes and enhance project efficiency.

Overall, my web development internship provided me with a comprehensive understanding of full-stack development, honing my skills in HTML, CSS, JavaScript, PHP, Python, and database management systems, and equipping me with the ability to contribute effectively to diverse web development projects.

2. **Quality Control Engineer Intern,Tirupati Medicare ltd**, Ponta Sahib, Himachal Pradesh, India June - July 2019 - As a Quality Control Engineer intern in a Medicare company, I played a crucial role in ensuring the accuracy, reliability, and compliance of various processes related to healthcare services. My responsibilities revolved around maintaining high standards of quality assurance and contributing to the overall efficiency of the organisation.I experienced the following:

- Developed and implemented quality control procedures using tools such as UV-Visible Spectrophotometer, HPLC ensuring compliance with healthcare regulations and industry standards.
- Utilised Tableau and MATLAB for data analysis, assessing healthcare data accuracy, identifying trends, and contributing to process improvement.
- Monitored and ensured adherence to federal and state regulations, playing a key role in maintaining compliance standards.

3. **Industrial Internship, Water Treatment Plant (Delhi Jal Board)**Delhi, India. May - Jul 2018 – Treatment Plant is a state-of-the-art facility dedicated to ensuring a safe and reliable water supply for the residents of Delhi. Located strategically to serve the diverse needs of the city's population, the plant employs advanced water treatment processes to purify raw water from various sources.
I experienced the following:-

- Assisted in the daily operations of the water treatment plant, gaining hands-on experience in water purification processes and equipment operation.
- Monitored and analysed water quality parameters ensuring compliance with regulatory standards.
- Conducted routine water quality sampling and testing to identify potential contaminants and maintain safe water standards.
- Compiled and maintained accurate records of water quality data and operational activities using Excel.

PROJECTS

1. **Weather App 2023** – Built a weather application created using HTML, CSS, and JavaScript, providing users with current weather information for a specified location.
Weather App utilises the OpenWeatherMap API to fetch real-time weather data.

2. **Feasibility Report on the production of Acetic Acid, 2020** – The feasibility report on the production of acetic acid encompasses a comprehensive analysis of the viability and practicality of establishing an acetic acid production facility. Acetic acid, a crucial chemical with widespread industrial applications, serves as the focal point of this project, aiming to assess the technical, economic, and environmental aspects of such an endeavour. Applied MATLAB to conduct in-depth reviews of documentation, identifying and rectifying discrepancies.

3.**Quality Control Report Tirupati Medicare 2019** - The project aimed to enhance the accuracy and efficiency of medical documentation processing through the implementation of advanced quality control procedures and data analysis techniques.

4. **Water Treatment Report Delhi Jal Board 2018** – The project focused on the comprehensive assessment and enhancement of water treatment processes implemented by Delhi Jal Board (DJB). As a key component of the city's water supply infrastructure, the aim was to optimise existing treatment methods, improve water quality, and ensure the efficient delivery of clean and safe water to residents of Delhi.

5. **Sewage Treatment Report Delhi Jal Board 2018** –The primary objective of this project was to implement advanced sewage water treatment technologies to enhance the efficiency and sustainability of wastewater treatment processes within the jurisdiction of Delhi Jal Board. Explored opportunities for the reuse of treated sewage water in non-potable applications, such as irrigation and industrial processes. Investigated the potential for resource recovery from sewage, including the extraction of valuable by-products and the generation of renewable energy.

TECHNICAL SKILLS

1. Languages: C, C++, Python, JavaScript, React.js, Node.JS, Angular.js, MATLAB
2. Databases: MySQL, PostgreSQL, PowerBI, Pandas
3. IDE: IntelliJ IDEA, Atom, Visual Studio Code, Docker
4. Client-Side Scripting: HTML, JavaScript, CSS, JSON, Flask
5. Cloud Computing Platform: AWS
6. Others: MS Office (Word, PowerPoint, Excel), Adobe Photoshop,Adobe InDesign, Jupyter Notebook, XML,GitHub,Illustrator CC, Canvas