Sumit Bhikhchandani

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EDUCATION

Pandit Deendayal Energy University, Gujarat   2021-2025
B. Tech in Information and Communication Technology   CGPA: 9.05

EXPERIENCE

BISAG (Bhaskaracharya Institute for Space Applications and Geo-Informatics) *May 2024- Aug 2024*
(Software Engineer Intern)

• *Interning at BISAG on a 'Data Quality' project within the MERN stack, focusing on ensuring data accuracy and consistency across various dimensions.*

• *Addressing meta-quality, completeness, logical consistency, positional accuracy, thematic quality, and temporal quality within the project.*

• *Utilizing the MERN stack to develop and implement solutions for maintaining high data quality standards.*

PERSONAL PROJECTS

GoFood MERN Application(Link)   *April 2024*
React, Node.js, Express, MongoDB,NodeMailer

• User Authentication: Implemented secure user authentication and authorization using JWT for login and session management.

• Frontend Development: Designed an intuitive interface with React, allowing users to browse menu items, add items to the cart, and place orders.

• Secure Password Handling: Enhanced security by hashing passwords with bcrypt for data stored in MongoDB.

• RESTful API Creation: Developed robust APIs for user registration, login, order placement, and order history retrieval.

CI/CD Pipeline For Node.js Application (Link)   *June 2024*
Jenkins, Docker, GitHub, SonarQube, Node.js

• Set up Jenkins to automate code cloning from GitHub and configured Docker for image building and container deployment.

• Integrated SonarQube for static code analysis to maintain high code quality and implemented secure DockerHub credential management.

• Streamlined deployment by automating container stop, removal, and deployment processes using Jenkins, Docker, and GitHub.

Automatic Subtitle Generation for Videos (Link)   *Jan 2024*
Python, MoviePy, SpeechRecognition

• *Developed a Python script using MoviePy and SpeechRecognition to automate subtitle generation for videos and developed a Python script to automate generating subtitles for videos based on their audio content.*

• *Extracted audio, transcribed it with Google's speech recognition, and generated subtitles in SRT format.*

• *Enhanced accessibility by embedding generated subtitles into the original video.*

TECHNICAL SKILLS AND INTERESTS

Tech: *C++, HTML, CSS, JavaScript, React, NodeJs, EJS, JQuery, Bootstrap, REST API, MongoDB, SQL, Amazon AWS*
Developer Tools: *Git, GitHub, Visual Studio, VS Code, Docker, Jenkins*
Web Scraping: *BeautifulSoup, Selenium*
Operating Systems: *Linux, Windows, Android*
Soft Skills: *Problem Solving, Time Management, Teamwork, Leadership, Accountability, Communication*
Areas of Interest: *Web Development, Software Development, Algorithms, Problem Solving.*

POSITIONS OF RESPONSIBILITY

Publicity Head, *Cretus - Robotics and Automation club, Student Club PDEU*

CERTIFICATES

• **NPTEL** *Understanding Incubation And Entrepreneurship (Link)*   *Oct 2023*
• **Udemy** *Mastering Data Structures and Algorithms using C and C++ (Link)*   *May 2023*

Achievements

• **Finalist, Odoo Combat 2024 Hackathon**
Participated in the Odoo Combat 2024 hackathon, which saw participation from over 700 teams. Advanced to the final round, placing among the top 150 teams. Demonstrated innovative solutions and strong technical skills in a highly competitive environment.

• **Problem Solving**
Solved over 100+ problems on LeetCode and CodeChef, demonstrating proficiency in algorithms and data structures.