Kapil Sunil Bhatia

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EDUCATION

Bachelor of Technology in Computer Engineering

K. J. Somaiya Institute of Technology • Sion, Mumbai • GPA: 9.17 (Aggregate till SEM VI)   04/2025

Higher Secondary Certificate. (HSC)

Hansraj Morarji Public School and Junior College • Andheri, Mumbai • Percentage: 93.33%   04/2021

Secondary School Certificate (SSC)

Bhavans A.H. Wadia High School • Andheri, Mumbai • Percentage: 87.80%   06/2019

INTERNSHIP EXPERIENCE

1stop.ai   05/2023

Actively participated in the development of the "Laravel Booking Management System" project, using backend web application development with API integration.

Claidroid Technologies   12/2022

Developed and designed a website with HTML, CSS, and JavaScript, and hosted for live access.

TECHNICAL SKILLS

Bootstrap, C, Canva, CSS, Figma, Flutter, HTML, Java, JavaScript, Java Swing, Laravel, MS Office, MySQL, PHP, PowerBI, Python.

CERTIFICATIONS

Cloud Foundation Course

AWS Academy

Python and Java Spoken Tutorial

IIT Bombay

PROJECTS

Virtual Lab of Operating Systems

K. J. Somaiya Institute of Technology.

Objective: Developed a user-friendly Virtual Lab for Operating Systems where students and faculty can explore OS algorithms through theory, examples, algorithms, flowcharts, quizzes, code implementations, and simulations. Key features include login/signup with email verification, a discussion forum for clearing doubts, and feedback options for the virtual lab and individual experiments. The main goal is to help students grasp OS algorithms effectively.

More than 300 students have been benefited using this Virtual Lab.

Clients: Students of Second Year Computer Engineering who have Operating System subject as a part of their curriculum.

Link: https://vlabcomp.kjsieit.in/

KJSIT's Stakeholders Feedback Analysis Portal

K. J. Somaiya Institute of Technology.

Objective: The KJSIT Stakeholders Feedback Analysis Portal is a web-based system developed to support the Institute's accreditation by NBA and NAAC. It enables stakeholders like students, parents, alumni, faculty, employees, and administrators to submit and analyze feedback. The portal uses Power BI for data visualization, presenting feedback in formats like pie charts and tables, and facilitates report generation for different stakeholders.

More than 900 student feedback responses were collected in 2023 and analyzed through PowerBI. Enhancements were implemented based on the feedback received.

Clients: College Student's, Faculty's, Parent's, Alumni's, Employee's and Academic Peers.

Link: https://feedbackportal.kjsieit.in/new/

KJSIT's Student Achievement Portal and Optical Character Recognition Tool

K. J. Somaiya Institute of Technology.

Objective: Student Achievement Portal provides a user-friendly interface for students to upload certificates and powerful tools for administrators to manage them. This efficient, cost-effective solution streamlines certificate management for both students and administrators. It's an integrated OCR tool that automates text extraction from certificates thus reducing manual work of storing data in

Excel files.

This system enhances efficiency for administrators and simplifies certificate handling for students, offering a cost-effective solution that improves overall management and accessibility.

Clients: Students of KJSIT.

Maintenance and Cleanliness of Storage Tank / Overhead Water Tanks

Mastek Navi Mumbai.

Participated in the Deep Blue Project competition season 8 organized by Mastek in April 2023. Developed an Internet of Things (IoT) application to autonomously oversee water containers, addressing a challenge outlined by Mastek which includes checking Ph, Conductivity, Turbidity, Temperature and water level using Arduino UNO Wi-fi Rev 2. It also supported mobile SMS alerts. The project was also showcased in the Final Round of 17th Aavishkar 2023-24.

CivicSynergy: Streamlining Housing Society Management System

Objective: Developed online Housing Society Management System (HSMS) that streamlines residential community management. The system is a central hub for storing resident information, managing maintenance activities, and facilitating communication between society and its members. It also includes payment gateway integration for collection of maintenances fees, etc. There are sections related to complaints, visitor management and Rent/Renovation management.

Around 800 residents' will be using this system.

Clients: Residents of Moraj Residency at Sanpada, Navi Mumbai.

Link: https://morajresidency.co.in/

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Smart Optical Character Recognition System for Certificate Management	10/2024
Copyright Diary Number: 24397/2024-CO/SW	
Software of CivicSynergy Streamlining Housing Society Management	06/2024
Copyright Diary Number: 9135/2024-CO/SW	
User Manual of Virtual Lab of Operating Systems	03/2024
Copyright Diary Number: 24284/2023-CO/L	
User Manual of KJSIT's Stakeholders Feedback Analysis Portal	02/2024
Copyright Diary Number: 356/2024-CO/L	

PUBLICATIONS

Data Dynamics in Focus: Stakeholders Feedback Analysis and Interpretation	05/2024
Publication in Scopus-indexed International Conference on Emerging Innovations and Advanced Computing (INNOCOMP 2024) **Click here.**	
Empowering Communities: Smart Technologies for Housing Society Governance	05/2024
Published in UGC CARE recognized South India Journal of Social Sciences (in Print Mode) **Click here.**	

AWARDS & SCHOLARSHIPS

Special Prize Awardee for developing CivicSynergy Streamlining Housing Society Management System in INTECH 2K24	02/2024
Institution of Engineering and Technology (IET) Mumbai Local Network and K. J. Somaiya Institute of Technology	
Student Champion of the Year	12/2023
Institution of Engineering and Technology (IET)	
Letter of Appreciation for developing websites Virtual Lab of Operating Systems, KJSIT's Stakeholders Feedback Analysis Portal, CivicSynergy: Streamlining Housing Society Management System and conducting the session titled "From Concept to Deployment: Building Scalable Applications" for second-year engineering students	10/2023
K. J. Somaiya Institute of Technology, Sion, Mumbai	
Topped the class XII in my college – Board Examination	06/2021
Hansraj Morarji Public School and Junior College	

VOLUNTEERING & LEADERSHIP

Institution of Engineering and Technology (IET) & K. J. Somaiya Institute of Technology	06/2024
Vice Chairperson • Mumbai	