DILIPKUMAR TELI

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Career summary so far

Hello! I'm Dilipkumar Teli, a B.Tech student at Shah & Anchor College, passionate about the ever-evolving world of technology. My academic journey has equipped me with a strong command of programming languages such as C, C++, Java, and Python.

In the realm of web development, I've gained hands-on experience and certifications in a wide range of technologies, including HTML, CSS, JavaScript, jQuery, PHP, MySQL, Node.js, React.js, and Express.js. With a keen interest in becoming a full-stack developer, I have extensively worked on the MERN stack, building impactful projects like a chat application and a to-do app with authentication. These projects have helped me refine my problem-solving skills and apply theoretical knowledge to real-world scenarios.

I'm driven by a passion for creating innovative and efficient solutions and am excited to bring my enthusiasm and expertise to future projects. Additionally, I take pride in having been the branch topper in my second year, which reflects my dedication to academic excellence.

Education

Shah & Anchor Kutchhi Engineering College **Nov 2022 – Present**

Bachelor of Technology [B. Tech] (Computer Science and Engineering),
CGPA: 9.62 *Currently In Second Year*

S.I.E.S. College of Arts, Science & Commerce **Dec 2020 – Mar 2022**

HSC in Science Stream (PCM), Percentage: 81.00 %

Certifications

- **Java(Basic), CSS(Basic) Certifications** - issued by Hackerrank
- **Certificate for the Completion of C Training** -Issued by the Spoken Tutorial Project, IIT Bombay
- **National Programme on Technology Enhanced Learning (NPTEL) Course : Programming In Java**
- **Complete Web development –** Issued by Udemy
- **Letter of Appreciation –** Issued by Somaiya University

Volunteering

Treasury Head at CSI-SAKEC June 2024– Present

Project Co-lead at Research Cell – Sakec June 2024 – Present

My Projects

Data Structure Learning Hub | Web Development

- The platform provides real-time simulations of Data Structure, Searching and Sorting Algorithms. Users can manipulate and visualize data structures, gaining insights into organizational principles and algorithmic efficiencies.
- Additionally, I used the Bresenham Line Algorithm in JavaScript for backend simulation to animate box movement, seamlessly combining graphics principles with JavaScript's dynamic capabilities for efficiency and visual appeal.
  Link for project : https://dilip1106.github.io/Data-Structures-Learning-Hub/

Chat App | Web Development

- Developed a real-time chat application using the MERN stack, featuring user authentication, private and group messaging, and responsive UI. Integrated socket.io for seamless communication and MongoDB for efficient message storage.
- Link for project : https://chat-app-1w6o.onrender.com

Energy Band Gap | Web Development

- Developed a physics simulation tool to calculate and visualize energy band gaps, featuring interactive data input, precise calculations, and graphical representations to enhance understanding of semiconductor properties. Successfully delivered to Somaiya University.
- Link for the project : https://energybandgap.netlify.app/

Wedge Shape Thin Film | Web Development

- Developed a simulation tool for the wedge-shaped thin film experiment, enabling users to calculate and analyze film thickness using fringe patterns. Integrated secure authentication to ensure controlled access, aligning with research integrity standards. This project was part of a research paper, combining precision in computation with robust user management for academic purposes.