Shubham

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in https://www.linkedin.com/in/shubham-kumar-mitra-335626336/   ⌽ https://github.com/mitra9917

🔗 https://ospc-portfolio.vercel.app/

PROFILE

Computer Science undergraduate at VIT Chennai with strong problem-solving abilities and a solid foundation in C++, STL, and data structures. Eager to apply and expand technical skills through practical development and collaborative projects.

EDUCATION

B.Tech in Computer Science and Engineering,   07/2024 – 07/2028
Vellore Institute of Technology (VIT) Chennai, India   Chennai, India
- Current CGPA: 8.81
- Actively involved in coding contests, technical events, and projects

Higher Secondary (Class XII), *Hartmann College, India*   2020 – 2022
Scored 91.1% with a focus on Physics, Chemistry, and Mathematics (PCM)   UP, India

SKILLS

C++ DSA
STL, Pointers, Iterators, OOP Arrays, Recursion, Binary Search, Greedy, Two-pointers, 3-way Partition

Web Development
HTML, CSS, JavaScript, React

Git & GitHub
Version control, Branching, Commits, Pull Requests

FIGMA
Proficient in Figma for creating intuitive, responsive, and visually appealing UI/UX designs.

PROJECTS

TaskMaster, *A Sleek & Responsive To-Do Web Application*
Engineered a full-featured task manager. Implemented intuitive CRUD operations, persistent local storage, and dynamic filtering for efficient organization. Designed a fully responsive, modern interface with a smooth light/dark theme toggle to enhance user accessibility, all built with vanilla web technologies.
Tech Stack: HTML5, CSS3, JavaScript, Font Awesome **Live Demo:** https://to-do-webapp-nu.vercel.app/ ⌁

NoteWorthy, *A Minimalist Local Storage-Based Note-Taking Solution*
A minimalist, responsive notes web app with full CRUD functionality. Features auto-save to local storage and a modern UI for seamless note management across devices.**Tech** ⌁ **:** HTML, CSS, JavaScript | **Live:** my-notes-appls.netlify.app ⌁

QR Magic, *QR Magic: Instant Generator & Download*
A dynamic web app that instantly generates and downloads QR codes from URLs or text. Leveraged the QR Server API for reliable code generation and built a sleek, responsive interface with animated feedback for an enhanced user experience.
Tech: HTML, CSS, JavaScript, QR Server API **Live:** my-qr-gen.netlify.app ⌁

AgriScan, *AI-Powered Potato Defect Detector*
Developed a deep learning solution to automate the identification of defective potatoes. Built and trained a custom Convolutional Neural Network (CNN) from scratch using TensorFlow and Keras, achieving high accuracy in classifying multiple defect categories. Engineered a user-friendly Gradio interface to make the AI model accessible. **NOTE:** project is still under work.
Tech Stack: Python, TensorFlow, Keras, OpenCV, Scikit-learn, Gradio, NumPy, Pandas, Matplotlib **GitHub:** github.com/mitra9917/AI_potato_defect_detector ⌁