# Shanidhya Kumar

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## Education

**Dayananda Sagar College Of Engineering** **2023- 2027**

*B.E in Computer Science & Engineering(IOT & Cyber Security)*| CGPA: 9.6 (3rdsem) *Bangalore, India*

## Technical Skills

**Languages**: C, C++, Python, JavaScript,Typescript
**Frontend:** HTML, CSS, React.js, Tailwind CSS
**Backend:** Node.js, Express.js,
**Developer Tools:** Git, GitHub, Postman
**Database**:MongoDB,SQL

## Experience

**LeetCode Problem Solver** **July 2024 – Present**

- Actively participate in solving algorithmic problems across various domains
- Regularly engage in LeetCode contests, improving problem-solving speed and efficiency.

## Projects

**Quiz App | HTML, CSS, JavaScript (Open Trivia DB API)**

- Developed a dynamic quiz application that fetches real-time multiple-choice questions from the Open Trivia DB API based on user-selected topic
- Implemented interactive UI with score tracking, answer validation, and feedback on correct answers when user selects incorrectly
- Designed a responsive dark-themed layout using pure CSS to ensure an engaging and accessible user experience across devices

**Personal Portfolio Website | *Next.js, TypeScript, Tailwind CSS***

- Designed and developed a responsive portfolio to showcase projects, technical skills, and resume, using Next.js 14 with App Router
- Implemented animated UI with Framer Motion, dynamic routing, and reusable components for a clean, smooth user experience
- Deployed on Vercel with fully responsive design, optimized SEO, and a working Contact Me form powered by EmailJS

**StackFlow – Full Stack Q&A App | *Next.js, Appwrite, TypeScript, Tailwind CSS***

- Built a full-stack Q&A platform inspired by Stack Overflow with user authentication, question posting, and answer submission using Appwrite backend
- Designed a clean, responsive UI with Tailwind CSS and modular components, enhancing UX with ShadCN UI and Framer Motion
- Integrated Appwrite's Auth, Database, and Storage to manage users, posts, and image uploads

**Cloudinary SaaS Platform | *Next.js • TypeScript • Tailwind CSS • Cloudinary API***

- Developed a full-stack SaaS application enabling users to upload, manage, resize, and optimize images/videos, leveraging Cloudinary for cloud-based media processing with responsive previews and downloadable assets
- Implemented secure user authentication using Clerk, and stored structured metadata for assets via Prisma ORM and NeonDB, delivering robust backend functionality
- Crafted a clean, responsive UI with Tailwind CSS, and deployed seamlessly on Vercel, ensuring high performance, cross-device compatibility, and SEO optimization

**Memory Match Game | Python, Tkinter**

- Built a memory puzzle game using Tkinter with randomized image pairs and interactive button-based gameplay
- Implemented logic to reveal, match, and disable buttons, enhancing user engagement through visual feedback
- Handled image loading with error checking for smooth and reliable performance

**Password Manager | *React, Tailwind CSS, JavaScript, Express.js, MongoDB***

- Developed a full-stack app to securely store and manage website credentials with CRUD operations
- Built a responsive React frontend styled with Tailwind CSS, integrated with a RESTful Express.js API
- Connected to a local MongoDB database and implemented real-time updates with robust error handling

**Egg Catcher Game | Python, Tkinter**

- Developed an interactive arcade-style game where players catch falling eggs using a movable catcher controlled by keyboard inputs
- Implemented real-time collision detection, dynamic difficulty scaling, and score/lives tracking for an engaging gameplay experience
- Utilized Tkinter canvas and after() scheduling to manage smooth animations and timed events

**Weather App | HTML, CSS, JavaScript (OpenWeatherMap API)**

- Built a responsive weather application that fetches real-time weather data based on user-input city using the OpenWeatherMap API
- Implemented error handling for invalid city entries and dynamic UI updates for temperature, city name, and weather description
- Styled with modern dark theme and responsive layout using pure CSS for clean and user-friendly experience

**3-D Solar System Simulator** | ***Python, VPython / Matplotlib 3D***

- Built an interactive 3D model of the solar system using Python and VPython (or Matplotlib's mpl_toolkits.mplot3d), complete with orbiting planets and rotation animations
- Applied real-world physics—Newtonian gravity and Kepler's laws—to simulate realistic planetary movements, with adjustable parameters for mass, distance, and orbital speed
- Developed smooth camera controls (zoom, pan, rotate) and modular classes for celestial bodies, enabling easy extension and ser-driven interaction

## Industry Exposure

**Nokia Technology Visit**

- Gained exposure to cutting-edge technologies like AI, ML, 5G, and 6G trials, alongside networking with industry professionals.

## Achievements

**Rank :** View

- Leetcode : 1,46,668*
- Geeks For Geeks : 2,20,338*

**Certification:** View

- Cisco Cybersecurity,JavaScript,Python
- Postman Api