Shanidhya Kumar

📞 +91 9905583008 ✉ luckykumar0011s@gmail.com in Shanidhya Kumar ⚙ Shanidhya01

Education

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

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

Technical Skills

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

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

AI ChatBot | Next.js, React, Google Gemini AI, Tailwind CSS
- Developed a modern, real-time AI chatbot powered by Google's Gemini API with streaming responses and intelligent conversation capabilities
- Implemented advanced UI features including dark/light theme toggle, glassmorphism design, mobile-responsive layout, and one-click message copying with toast notifications
- Built with Next.js App Router, TypeScript, and Tailwind CSS featuring animated backgrounds, custom scrollbars, and optimized performance for seamless user experience across all devices

Victoria AI Assistant | React, Google Gemini AI, Speech Recognition, Voice Synthesis
- Developed an advanced voice-activated AI assistant with real-time speech recognition and natural text-to-speech synthesis using female voice optimization
- Implemented intelligent command processing for website navigation, time/date queries, and contextual conversations powered by Google Gemini API
- Designed a cyberpunk-themed responsive UI with animated backgrounds, glowing effects, glassmorphism elements, and smooth state transitions for an immersive user experience

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*

- eveloped 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 : 91,992 *
- Geeks For Geeks : 2,20,338*

Certification: View
- Cisco Cybersecurity,JavaScript,Python
- Postman Api