Shanidhya Kumar

📞 +91 9905583008 ✉ luckykumar0011s@gmail.com 🔗 Shanidhya Kumar ⌗ Shanidhya01

Education

Dayananda Sagar College Of Engineering	**2023- 2027**
B.E in Computer Science & Engineering(IoT & Cyber Security)|	*Bangalore,*
CGPA: 9.71 (4th Sem)	*India*

Technical Skills

Languages: C, C++, Python, JavaScript, Typescript
Frontend: HTML, CSS, React.js, Tailwind CSS, Next.js, Framer Motion, Shadcn/Ui
Backend: Node.js, Express.js,
Developer Tools: Git, GitHub, Postman

Database: MongoDB, SQL
Cloud & Deployment: Firebase, Vercel, Clerk, Appwrite, Prisma ORM, Cloudinary API

Projects

BioTrace | AI eDNA Analysis · Flask, Python, Machine Learning *Sept 2025*
- Built an **AI-driven pipeline** for detecting and annotating deep-sea taxa from raw DNA reads.
- Used **unsupervised embeddings and clustering** to reduce reliance on reference databases.
- Delivered **fast, dashboard-ready outputs** for biodiversity analysis.

WriteWave | Blog Platform · React, Express.js, MongoDB, Firebase, Redux, Tailwind CSS *Sept 2025*
- Built a **full-stack blogging app** with JWT authentication and rich text editor.
- Implemented **image uploads, comments, and post categorization** for interactive content.
- Designed a **responsive, modern UI** with Redux and Tailwind CSS.

AI Chatbot | Next.js, TypeScript, Google Gemini AI, Tailwind CSS *June 2025 – July 2025*
- Built a real-time AI chatbot with streaming responses and intelligent conversation handling.
- Integrated dark/light mode, one-click message copy, and responsive design for seamless UX.
- Optimized client performance with custom scrollbars and lightweight animations.

Expense Tracker | React, Vite, Tailwind CSS, Authentication *July 2025 – Aug 2025*
- Developed a secure personal finance app with authentication, profile upload, and expense categorization.
- Implemented real-time balance tracking with validation to prevent errors.
- Designed a mobile-first, accessible UI with responsive layouts.

BlinkChat | MERN, Socket.IO, Tailwind CSS *Aug 2025*
- Built a full-stack real-time chat app with secure authentication and WebSocket messaging.
- Designed a responsive, modern UI with dark mode and smooth animations for seamless UX.
- Deployed on cloud with optimized MongoDB queries for scalability and performance.

Victoria AI Assistant | React, Google Gemini AI, Speech Recognition, Voice Synthesis *July 2025*
- Created a voice-activated AI assistant for navigation, queries, and contextual conversation.
- Integrated real-time speech recognition and natural-sounding voice synthesis.
- Delivered a cyberpunk-themed responsive UI with animations and glassmorphism effects.

README Generator | React, TypeScript, Vite, Tailwind CSS, Supabase (Edge Function) *Aug 2025*
- Built a tool that generates structured README files from GitHub repos using metadata heuristics.
- Added Markdown preview, theme toggle, copy/download actions, and AI-assisted enrichment.
- Delivered a polished developer experience with responsive design and keyboard shortcuts.

StackFlow – Full Stack Q&A App | *Next.js, Appwrite, TypeScript, Tailwind CSS* *Jan 2025*
- Built a full-stack Q&A app with authentication, question posting, and answers.
- Integrated Appwrite services (Auth, DB, Storage) for user/content management.
- Designed a clean, modular UI with shadcn/ui and Framer Motion.

Cloudinary SaaS Platform | *Next.js TypeScript Tailwind CSS Cloudinary API* *Dec 2024*
- Built a SaaS app to upload, manage, resize, and optimize media using Cloudinary.
- Implemented Clerk authentication and Prisma + NeonDB for asset metadata storage
- Delivered a responsive, SEO-optimized UI with smooth previews and downloads.

Industry Exposure

Nokia Technology Visit
- Gained hands-on exposure to AI, ML, and next-generation networking (5G/6G) through an industry visit to Nokia, with opportunities to interact with domain experts.

Extracurriculars

LeetCode Problem Solver **July 2024 – Present**
- Solved a wide range of algorithmic and data structure problems, strengthening coding proficiency.
- Consistently participate in contests, enhancing **problem-solving speed, accuracy, and competitive ranking**.

Achievements & Certifications

- **LeetCode :** Solved 500+ problems; global rank ~91,992.(profile linked)   Profile
- **Certifications:**   Certification
  - Cisco: Cybersecurity Essentials, JavaScript, Python
  - Postman API Fundamentals
  - AI Foundation & Machine Learning