# Education

Shanidhya Kumar

 +91 9905583008 [](mailto:aries.pratyush@gmail.com) [luckykumar0011s@gmail.com [Shanidhya Kumar [Shanidhya01](https://github.com/Shanidhya01)](http://www.linkedin.com/in/shanidhya-kumar)](mailto:luckykumar0011s@gmail.com)

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

*B.E in Computer Science & Engineering(IoT & Cyber Security)|*

CGPA: 9.71 (4th Sem)

*Bangalore,*

*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

# [Project](https://shanidhyakumar.vercel.app/)s

## 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](https://leetcode.com/u/luckykumar0011s/)
* **Certifications:** [Certification](https://drive.google.com/drive/folders/1uJlAeWqoHq4Sd0PLpwtZGZ1q0wsI39RR)
* Cisco: Cybersecurity Essentials, JavaScript, Python
* Postman API Fundamentals
* AI Foundation & Machine Learning