Vikash Kumar Gupta WebDevloper | OS

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🔗 https://github.com/Vortex-16/

Profile

Motivated Computer Science Engineering student with a strong interest in *Operating Systems*, **frontend development**, and **emerging technologies**. Experienced in building real-world projects such as interactive coding platforms, full-stack dashboards, and animated personal portfolios. Skilled in **HTML, CSS, JavaScript, C, Python, and Java**, with growing experience in **React, Next.js, MongoDB, and Node.js**. Passionate about **learning, experimenting, and developing practical solutions** that solve real problems.
Enjoys exploring **UI/UX** & **OS.**

Skills

Programming Languages
C, Java, JavaScript, Python — strong foundation in logic, web development, and problem-solving.

Frameworks & Libraries
React, Next.js, GSAP, Ace.js — building dynamic UIs, animations, and live coding interfaces.

Tools & Technologies
Git/GitHub, VS Code, MongoDB, Node.js, Express.js, *Docker* basics — comfortable with modern dev workflows.

Domains & Interests
Operating Systems, UI/UX, *Web3 basics, Smart Contracts, real-time apps* — always exploring new tech.

Certificates

- CodeFlow 2K25 🔗
- Agentic Ai Day 🔗
- Cloud Study Jam 🔗

Projects

CODIGO 🔗
Beginner-Friendly Coding Arena with Live Editor & Interactive Challenges
03/2025 – Present
Key Features
- **Built-in Ace.js Editor** for smooth, real-time coding
- **Beginner-friendly challenges** covering loops, arrays, strings, logic building
- **Instant output window** to test solutions
- **Progressive challenge difficulty** (easy → intermediate)
- **Error highlighting & code formatting** for a better learning experience

PragatiPath 🔗
A Multi-Language E-Learning Platform Empowering Farmers With Modern Skills
04/2025 – 04/2025
Key Features
- **Multi-language support** (English, Hindi, Bengali, Tamil…)
- **Daily learning modules** with videos, notes & quizzes
- **Progress tracker** with monthly and yearly stats
- **Practical modules**: irrigation, modern tools, organic farming.
- **Simple, clean UI** designed for rural accessibility

Education

B. Tech CSE
St. Thomas College Of Engineering And Technology 🔗
10/2024 – Present | Kolkata
Grade: 7.5
Core Subjects: C, DSA, CO & Python

- Currently pursuing **B.Tech (CSE)** with strong interest in **Operating Systems, Frontend Development, UI/UX, and Web Technologies**.
- Coursework includes: **Programming in C, Java, Data Structures, Operating Systems, DBMS, Computer Networks, Web Development, and Discrete Mathematics**.
- Active in hackathons, tech events, and team-based development activities (Team **Alpha Coders**).