

# Vaibhav Kumar

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## Education

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Presidency University, Bangalore  
Bachelor of Computer Applications (BCA)

Aug 2023 – Present  
CGPA: 8.5 / 10

Lyceum International School, Bihar  
CBSE – Class XII (PCM)

2021 – 2023

## Projects

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### FlowForge – AI Project Planner

*React.js, Node.js, Gemini API, Mermaid.js*

GitHub: [github.com/vaibhavkr/flowforge](https://github.com/vaibhavkr/flowforge)

- Building a web platform where users describe a project idea as a **natural language prompt** and instantly receive an AI-generated **flowchart and sequence diagram** to guide their development.
- Integrated the **Gemini API** to generate structured **Mermaid.js** code from user prompts, enabling automatic rendering of project architecture and step-by-step implementation sequences.
- Designed to **eliminate the “where to start” problem** for developers, providing a visual roadmap from idea to execution with zero configuration.
- Leverages **Mermaid.js** to render interactive flowcharts and sequence diagrams directly in the browser, keeping the experience fast and dependency-light.

### Geo-Trivia – Real-time Multiplayer Quiz

*React.js, Node.js, WebSocket, Gemini AI*

GitHub: [github.com/darshanCommits/geo-trivia](https://github.com/darshanCommits/geo-trivia)

- Developed as a **college capstone team project**, applying full-stack skills in a collaborative environment with version-controlled workflows.
- Built a geography quiz game where questions are **dynamically generated by Gemini AI** based on the user’s selected location, covering geopolitical and cultural trivia.
- Implemented **real-time multiplayer** using WebSocket for seamless live quiz participation across multiple clients.

## Technical Skills

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**Languages:** C, Python, Java, SQL

**Web Development:** HTML, CSS, JavaScript, React.js, Node.js

**Currently Learning:** Data Structures & Algorithms (DSA)

**Tools & Platforms:** Git, GitHub, VS Code, Gemini API

## Certifications

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**Artificial Intelligence Fundamentals – IBM**

*Issued: 2025*

Credential: [Verify Certificate](#)

**Fundamentals of Web Apps – IBM SkillsBuild**

*Issued: Aug 2025*

Credential: [Verify Certificate](#)