

GSoC 2026 Project Proposal: CircuitVerse

Project Title: [Your Project Name Here]

Proposed Mentors: [Name(s) if known]

Project Size: [Small (90h) / Medium (175h) / Large (350h)]

1. Personal Information

- **Full Name:**
 - **Email Address:**
 - **University/Institution:**
 - **Major/Course:**
 - **Current Location (Country/Timezone):**
 - **GitHub Profile:**
 - **LinkedIn Profile:**
 - **Portfolio/Resume Link:**
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2. Integrity & AI Declarations

CircuitVerse values original thought and manual coding expertise. Please check the following:

- **No AI Text:** I hereby declare that this proposal was written entirely by me. No part of this text was generated by Large Language Models (LLMs) or AI tools.
 - **No AI Code:** I certify that the pull requests linked below and the code intended for this project will be my original work and not AI-generated.
 - **Understanding:** I understand that providing AI-generated content in a GSoC application is grounds for immediate disqualification.
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3. Technical Expertise & Contributions

To demonstrate your ability to complete this proposal, please provide links to **two (2) Pull Requests (PRs)** you have made to CircuitVerse (or a relevant open-source project) that directly showcase the skills needed for this project.

- **Primary PR Link:**
 - *Brief description of what you solved and why it relates to this proposal.*
- **Secondary PR Link:**

- *Brief description of the technical challenge overcome.*

Other Contributions

- [Link to other merged/open PRs]
 - [Link to issues opened or bug reports]
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4. Project Description

4.1 Abstract

A short, high-level summary (150-200 words) of what you aim to achieve and why it is important for CircuitVerse.

4.2 Detailed Implementation Plan

Provide a deep dive into your proposed solution.

- **Architectural Overview:** How does this fit into the current CircuitVerse ecosystem?
 - **Proposed Stack:** List specific libraries, frameworks, or API changes.
 - **Design/Mockups:** (If applicable) Links to Figma, wireframes, or logic diagrams.
 - **Technical Challenges:** Identify 2-3 potential "roadblocks" and how you plan to solve them.
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5. Proposed Timeline (GSoC 2026)

Note: This timeline follows the standard 12-week (Medium) project. Adjust if applying for a 175h or 350h project.

Phase	Dates	Objectives & Deliverables
Community Bonding	May 7 – May 31	Finalize project scope, refine UI/UX with mentors, and setup local dev environment.
Coding Phase 1	June 1 – June 21	Focus on core logic and backend implementation.
Coding Phase 2	June 22 – July 12	Frontend integration and initial unit testing.
Midterm Eval	July 13 – July 17	Submission of Midterm Evaluation.

Coding Phase 3	July 18 – Aug 9	Feature completion, bug squashing, and edge-case handling.
Final Polish	Aug 10 – Aug 23	Documentation, final testing, and code cleanup.
Final Submission	Aug 24 – Aug 31	Submission of final code and project report.

6. Commitment & Availability

- **Academic Commitments:** Do you have exams or classes during the coding period?
- **Vacations:** List any dates you will be unavailable.
- **Weekly Hours:** How many hours per week will you dedicate to this project?

7. Major Milestones

Identify 3-5 high-level "Checkpoints" for your project:

1. **Milestone 1:** [e.g., Completion of Database Schema] - *Target Date: June 15*
2. **Milestone 2:** [e.g., Alpha version of the Feature] - *Target Date: July 10*
3. **Milestone 3:** [e.g., Full Integration and Beta Testing] - *Target Date: August 10*

8. Why CircuitVerse?

Explain your motivation. Why do you want to work on an educational logic circuit platform? What is your long-term plan for contributing to the community after GSoC ends?

Note to Applicants: > Please ensure your GitHub profile is public and your PRs are well-documented with clear comments. Mentors will be reviewing the quality of your manual coding logic in the linked PRs.

←END of THE TEMPLATE →

Additional Information

Convince us that you will be able to successfully complete your project in the timeline you have described. This is usually where people describe their past experiences, credentials, prior projects, schoolwork, and that sort of thing, but be creative. Link to prior work or other resources as relevant.

If you apply to more than one GSoC project, especially if you also apply for a project in another organization, specify which project you prefer. In case two organizations choose to accept your applications, we can then give you the project that is most important to you. Preferring the project of another organization will not influence our decision whether to accept your application.

Project Size and Timeline Selection

Please use this section to justify your choice of project size:

- Small (90 hours)
- Medium (175 hours)
- Large (350 hours)

Explain why the selected size is appropriate for your proposed project scope and your personal availability.

If you're applying for a medium or large project with an extended timeline (beyond the standard 8-week or 12-week period), please provide:

- Specific reasons for needing the extended timeline
- Your commitment to the longer project period
- How you will maintain momentum throughout the extended timeline
- Any potential challenges you foresee in the extended timeline and how you plan to address them

What to Expect from Your Mentor (and What Your Mentor Expects from You)

If you are selected for GSoC with CircuitVerse, you can expect the following:

- We recognize that the goals may change during the project, and the mentors will accept modifications to the goals at any time. But they are also expecting to see reasonable effort go into the initial project timeline. Any changes to your goals or plan are expected to be immediately communicated to your mentor.
- The scope of the project might change to fit within the duration of GSoC.

- Your mentor will establish a weekly, synchronous check-in with you.
- In addition to that check-in, your mentor will discuss with you any specific status updates or any other regular communication they expect from you as well as which methods they prefer for documentation and collaboration (Google Docs, wiki, etc.).
- The project plan and timeline you set forth in your application will also form a significant part of your midterm and final evaluations.
- For extended timeline projects, your mentor will work with you to establish additional checkpoints and milestones to ensure continuous progress.

What to Expect from GSoC at CircuitVerse

We want you to have a productive, engaging summer. To that end:

- We will schedule several events throughout the summer where you can interact with other GSoC students and the rest of the CircuitVerse community.
- You will have the opportunity to present your work to this broader community.
- You'll receive mentorship and guidance from experienced developers in the CircuitVerse ecosystem.
- Your work will contribute to an educational platform used by students and educators worldwide.