



HACKATHON

Milestone-Based Interactive Resume Builder

Event Date: 6th September 2024
Duration: 24 Hours (Starting Midnight after the event)
Submission Deadline: 7th September 2024, Midnight

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Overview:

This hackathon challenges you to build a complete **Interactive Resume Builder** step-by-step, divided into five key milestones. Each milestone builds upon the previous one, taking you from a static resume to a fully dynamic, editable, and shareable online resume. You can work from home, completing as many milestones as you can within the 24-hour time frame.

Hackathon Structure:

- The hackathon is divided into 5 milestones.
 - Each milestone carries 100 points.
 - You can submit your progress for each completed milestone.
 - Aim to complete as many milestones as possible within the 24-hour limit.
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Milestone 1: Static Interactive Resume Builder (100 Points)

Objective:

Build a static resume using **HTML**, **CSS**, and **TypeScript**.

Requirements:

- Create a static resume with sections like:
 - Personal Information (Name, Contact Details, Profile Picture)
 - Education
 - Skills
 - Work Experience
- Use **TypeScript** to add basic interactivity, such as a button to toggle the visibility of the "Skills" section or other sections.

Scoring Breakdown:

- **HTML Structure and Completeness (40 points):**
 - Are all sections (Personal Info, Education, Skills, etc.) clearly created using proper HTML structure?
- **CSS Styling and Responsive Design (40 points):**
 - Does the resume look visually appealing and function well across mobile and desktop devices?
- **Basic TypeScript Functionality (20 points):**
 - Are there buttons or any interactivity implemented (e.g., show/hide sections)?

Milestone 2: Publish on GitHub and Host on Vercel (100 Points)

Objective:

Publish your static resume created in Milestone 1 to **GitHub** and deploy it live using **Vercel**.

Requirements:

- Push the project code to a **GitHub repository**.
- Deploy the project on **Vercel** so that the resume is publicly accessible.

Scoring Breakdown:

- **GitHub Repository Setup and Organization (50 points):**
 - Is the code properly committed and pushed to a GitHub repository?
 - Is the repository well-organized with proper folder structures and file naming conventions?
- **Successful Deployment on Vercel (50 points):**
 - Is the resume successfully deployed and accessible online via Vercel?

Milestone 3: Dynamic Resume Builder with Form (100 Points)

Objective:

Convert the static resume into a **Dynamic Resume Builder** where users can fill out a form, and the resume is generated based on their input.

Requirements:

- Create a form to capture user input for:
 - Personal Information (Name, Email, etc.)
 - Education
 - Work Experience
 - Skills
- Use **TypeScript** to dynamically generate the resume using the data provided through the form.

Scoring Breakdown:

- **Form Design and Validation (40 points):**
 - Does the form collect all necessary details in a user-friendly manner?

- Is validation implemented to ensure that all fields are filled correctly (e.g., mandatory fields)?
 - **Dynamic Resume Generation (40 points):**
 - Does the form correctly populate the resume with user input?
 - Is the resume updated in real-time without refreshing the page?
 - **User Experience and Functionality (20 points):**
 - Is the form-to-resume generation smooth and functional?
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Milestone 4: Editable Resume (100 Points)

Objective:

Make the generated resume **editable** after it's created.

Requirements:

- Implement the ability for users to click on sections of the resume (e.g., Education, Work Experience) and directly edit them.
- Ensure the changes are reflected immediately without reloading the page.

Scoring Breakdown:

- **Editable Functionality Implementation (60 points):**
 - Is each section of the resume editable (i.e., can users click and modify content)?
 - Are changes reflected without requiring a page refresh?
 - **TypeScript Code Quality and Logic (40 points):**
 - Is the TypeScript code organized, efficient, and error-free?
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Milestone 5: Unique Path and Shareable Link (100 Points)

Objective:

Generate a **unique URL** for each resume based on the user's username, and allow the resume to be shared and downloaded.

Requirements:

- When a user creates a resume, generate a unique URL, for example: `username.vercel.app/resume`.
- Provide options for users to share their resume via a link and download the resume as a PDF.

Scoring Breakdown:

- **Unique URL Generation (50 points):**
 - Does the system generate a unique path for each user's resume based on their username?
 - **Link Sharing and PDF Download (50 points):**
 - Can users share their resume link, and does the download function work properly?
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Hackathon Timeline:

- **Start Time:** Midnight, 6th September 2024 (following the event announcement).
 - **End Time:** Midnight, 7th September 2024.
 - **Submission Deadline:** Midnight, 7th September 2024.
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Submission Guidelines:

Submission form link: <https://forms.gle/qa1dLhecmWvX3PpJ6>

1. **Milestone 1 (Static Resume Builder):**
 - Submit Milestone 2, which contains your HTML, CSS, and TypeScript code.
2. **Milestone 2 (Publish and Deploy):**
 - Share the link to your GitHub repository and your deployed Vercel URL.
3. **Milestone 3 (Dynamic Resume Builder):**
 - Ensure the form functionality is working. Submit a link to your live project and GitHub repository.
4. **Milestone 4 (Editable Resume):**
 - Make sure the resume is editable. Submit the updated code and live project link.
5. **Milestone 5 (Unique Path and Shareable Link):**
 - Submit the project with unique URL functionality and sharing options.

Note: You can submit each milestone as you complete it, use a single GitHub repository and Vercel link for all milestones, which our team will understand when evaluating your hackathon project.

Awards and Recognition:

Students who complete all milestones will receive the title of "**Senior Student**"

Evaluation:

Your submissions will be evaluated by a panel of instructors based on the following:

- **Completeness:** Did you meet the objectives of each milestone?
- **Code Quality:** Is your code clean, well-organized, and efficient?
- **Functionality:** Does your resume work as expected (dynamic, editable, shareable)?
- **Design and User Experience:** Is the resume visually appealing and easy to use?

Final Words:

This hackathon is an excellent opportunity for you to apply your learning, push your limits, and build something you can be proud of. Complete each milestone to the best of your ability, and remember, creativity and innovation are highly encouraged. Good luck!

Governor House Team

Submission form link:

<https://forms.gle/qa1dLhecmWvX3PpJ6>