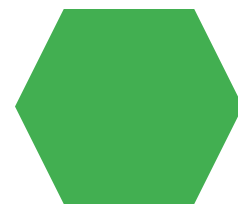# Digital Portfolio

STUDENT NAME: M. Barath Raj

REGISTER NO AND NMID:
212400930/4C96948A75428CA8D8949A2E656719DC

DEPARTMENT: BCA

COLLEGE: PRINCE SHRI VENKATESWARA ART'S AND SCIENCE COLLEGE/ MADRASUNIVERSITY

Portfolio of your

M. Barath Raj

AGENDA

1. Problem Statement
2. Project Overview
3. End Users
4. Tools and Technologies
5. Portfolio design and Layout
6. Features and Functionality
7. Results and Screenshots
8. Conclusion
9. Github Link

PROBLEM STATEMENT

1. **This portfolio website is designed to:Present my skills, experience, and projects in an organized way.**
2. **Provide a single platform where my work can be accessed anytime, anywhere.**
3. **Demonstrate my web development/design abilities through the portfolio itself.**
4. **For students → Focus on learning, showcasing academic projects.**
5. **For professionals → Emphasize career growth, job opportunities.**
6. **For freelancers → Stress on attracting clients and collaborations.**

PROJECT OVERVIEW

- About Me – A summary of my background and interests.
- Skills – A list of technical and soft skills I possess.
- – Highlights of my academic and personal projects.
- Resume – Easy access to my CV for recruiters.
- Section – To connect with potential employers, collaborators, and peers.

WHO ARE THE END USERS?

1. *Recruiters & Hiring Managers – To evaluate your skills, projects, and suitability for a job.*
2. *2. Clients (for freelancers) – To check your past work and decide whether to hire you.*
3. *3. Teachers / Evaluators – If it's an academic project, they review it for grading.*
4. *4. Peers & Collaborators – Students, colleagues, or developers who may want to collaborate.*
5. *5. General Audience – Anyone interested in knowing more about your work, achievements, and skills.*

TOOLS AND TECHNIQUES

sticky header with name + navigationA hero section (intro)A thunder/lightning background animationA footer with auto year update

- HTML5 – For structuring the web pages.
- CSS3 – For styling and layout design.JavaScript – To add interactivity and dynamic features.
- Design (Media Queries/Flexbox/Grid) – To ensure mobile-friendly viewing.
- Code Editor (VS Code / Sublime / Notepad++) – For writing and editing code.
- Web Browser (Chrome / Edge / Firefox) – For testing and previewing the site.
- Git & GitHub (optional) – For version control and hosting.

POTFOLIO DESIGN AND LAYOUT

- BackgroundBlack backgroundWhite textLightning flash effect runs in the background---
- Header (Navbar)Sticky at the top (always visible when scrolling)Semi-transparent black background.
- (rgba(0,0,0,0.7))Left side → Title "M. Akash" in cyan (#00e5ff)
- side → Navigation linksCertification (opens IBM certificate in new tab)Contact (opens email app)Hover effect → Links turn cyanHero / Main SectionCenter-aligned
- : "Welcome" in cyan (#00e5ff), large fontParagraph below → Introduction about youMentions BCA
- : Prince Shri Venkateswara Arts and Science CollegeSchool: Sri Sankara Vidyalaya Matric Higher Secondary SchoolFooterSemi-transparent black background (rgba(0,0,0,0.8))Centered small white textShows copyright
- Example: © 2025 M. Akash | PortfolioYear updates automatically with JavaScript---
- Special EffectFull-screen thunder/flash effect in the backgroundFlashes white for a split second to mimic lightning

FEATURES AND FUNCTIONALITY

⭐ Features

- **Dark Theme** → Black background with white text for a modern look.
- **Accent Color** → Cyan (#00e5ff) used for headings and highlights.
- **Sticky Navbar** → Header stays at the top when scrolling.
- **Navigation Links** → Certification link (opens your IBM certificate). Contact link (opens email app).
- **Hero Section** → Displays your welcome message and education details.
- **Footer Section** → Copyright with auto-updating year.
- **Responsive Layout** → Works across desktop and mobile (due to viewport meta tag).
- **Thunder/Lightning Effect** → Animated flash simulates lightning in the background.

Functions

- **Dynamic Year Update** JavaScript automatically inserts the current year in the footer.
- **Navigation Links** Certification opens in a new tab. Contact opens the default mail app with your email.
- **Thunder Animation** Keyframes control opacity to create random flash/lightning effect.
- **Hover Effect** Navigation links change color when hovered (white → cyan).

RESULTS AND SCREENSHOTS

CONCLUSION

- This portfolio webpage is a simple, stylish, and functional personal site designed with a dark theme and thunder-lightning effect to give a unique visual appeal.
- It has a sticky navigation bar with links for certification and contact, a hero section that introduces you, and a footer with an auto-updating year.
- combination of clean layout, responsive design, interactive hover effects, and background animation makes it both professional and visually engaging while staying minimal and easy to navigate.