

CAPSTONE PROJECT

PROJECT TITLE

Presented By:

**Shakti Swaroop Nayak – Government College of Engineering, Keonjhar –
Computer Science and Engineering**

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OUTLINE

- **Problem Statement** (Should not include solution)
- **System Development Approach** (Technology Used)
- **Algorithm & Deployment (Step by Step Procedure)**
- **Result**
- **Conclusion**
- **Future Scope(Optional)**
- **References**

PROBLEM STATEMENT

- Traditional resume lacks interactivity and fail to showcase technical skills effectively.
- This project addresses that gap by deploying a responsive animated portfolio website that highlights personal achievements, skills and projects in a visually engaging format.

SYSTEM APPROACH

- **Frontend Stack:**

- **HTML5** – Semantic Structure
- **CSS3** – Responsive and aesthetic styling
- **JavaScript** – Interactive elements (navigation, animations)

- **Design Principles:**

- Clean, modular layout
- Mobile-first responsiveness
- Smooth transitions and scroll effects

ALGORITHM & DEPLOYMENT

- **Sections**

- About me, skills, projects, certificates, resume, contact

- **Frontend Design**

- Smooth navigation with scroll-based animations

- **Interactive Features**

- GitHub integration for project showcase

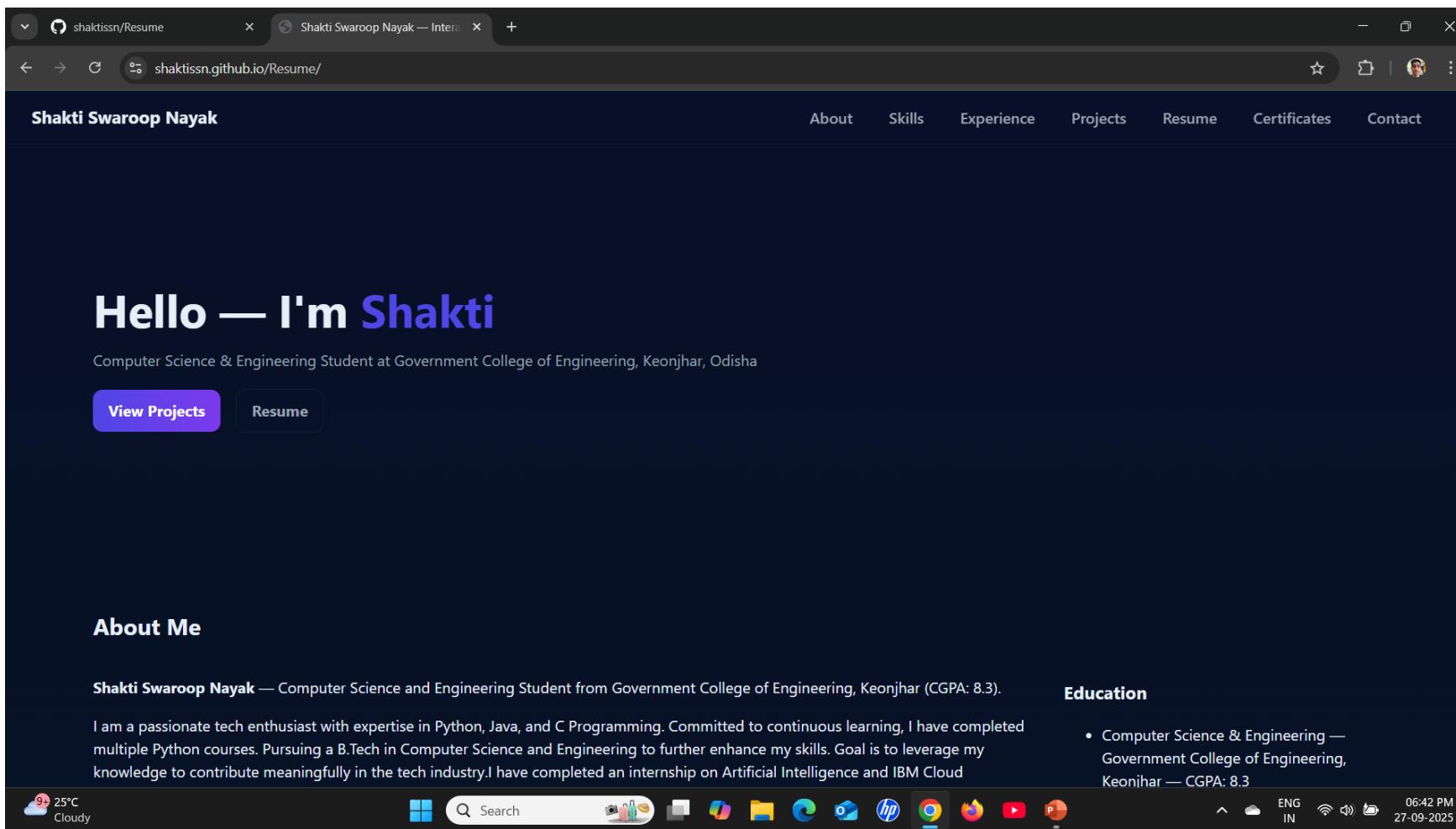
- **Testing**

- Responsive design across devices

- **Deployment**

- Hosted on GitHub Page.

RESULT 1



RESULT 2

The screenshot shows a resume website for Shakti Swaroop Nayak. The top navigation bar includes links for About, Skills, Experience, Projects, Resume, Certificates, and Contact. The main content area features a "About Me" section with a bio and a "Skills" section listing Java, Python, C, HTML, CSS, and JavaScript. The "Experience" section is partially visible at the bottom. On the right side, there is a "Education" section with a bulleted list of educational qualifications.

Shakti Swaroop Nayak

About Me

Shakti Swaroop Nayak — Computer Science and Engineering Student from Government College of Engineering, Keonjhar (CGPA: 8.3).

I am a passionate tech enthusiast with expertise in Python, Java, and C Programming. Committed to continuous learning, I have completed multiple Python courses. Pursuing a B.Tech in Computer Science and Engineering to further enhance my skills. Goal is to leverage my knowledge to contribute meaningfully in the tech industry. I have completed an internship on Artificial Intelligence and IBM Cloud Technologies with Edunet Foundation in collaboration with IBM, gaining hands-on experience building and deploying AI/ML models on IBM Cloud.

Skills

Java Python C HTML CSS JavaScript

Experience

Cloudy 25°C 06:42 PM 27-09-2025

- Computer Science & Engineering — Government College of Engineering, Keonjhar — CGPA: 8.3
- XII, Gayatri Residential Higher Secondary School, Keonjhar — 76.5% (2024)
- X, Nirmala Convent School, Keonjhar — 89.5% (2022)

RESULT 3

The screenshot shows a resume website with a dark blue background. At the top, there's a navigation bar with tabs for "shaktissn/Resume" and "Shakti Swaroop Nayak — Inter..." and a search bar containing "shaktissn.github.io/Resume/". Below the header, the word "Skills" is displayed in white. A row of buttons lists programming languages: Java, Python, C, HTML, CSS, and JavaScript. Under the "Experience" section, there's a box titled "Internship on Artificial Intelligence and IBM Cloud Technologies". It contains text about completing a 4-6 week internship with Edunet Foundation and working on AI/ML model development, cloud deployment, and real-world problem statements using the IBM SkillsBuild platform. It also lists skills: AI/ML, IBM Cloud, Python. The "Projects" section is partially visible at the bottom.

Skills

Java Python C HTML CSS JavaScript

Experience

Internship on Artificial Intelligence and IBM Cloud Technologies

Completed a 4–6 week internship with Edunet Foundation in collaboration with IBM. Worked on AI/ML model development, cloud deployment, and real-world problem statements using IBM SkillsBuild platform.

Skills: AI/ML, IBM Cloud, Python

Projects

Power System Fault Detection And Classification

Cloudy 25°C ENG IN 06:43 PM 27-09-2025

RESULT 4

The screenshot shows a resume website with a dark theme. At the top, there are two tabs: "shaktissn/Resume" and "Shakti Swaroop Nayak — Intern". The URL in the address bar is "shaktissn.github.io/Resume/".

Experience

Internship on Artificial Intelligence and IBM Cloud Technologies

Completed a 4–6 week internship with Edunet Foundation in collaboration with IBM. Worked on AI/ML model development, cloud deployment, and real-world problem statements using IBM SkillsBuild platform.

Skills: AI/ML, IBM Cloud, Python

Projects

Power System Fault Detection And Classification

Designed and deployed a system to detect and classify faults in power systems using AI/ML. Implemented models on IBM Cloud to analyse three-phase voltage and current data for real-time fault diagnosis and improved reliability.

Tools: Python, AI/ML, IBM Cloud

At the bottom of the screen, the Windows taskbar is visible, showing the date and time (27-09-2025, 06:43 PM), battery level (ENG IN), signal strength, and various pinned icons including Microsoft Edge, File Explorer, and the Start button.

RESULT 5

The screenshot shows a resume page titled "Resume" from the URL shaktissn.github.io/Resume/. The resume is displayed in a dark-themed browser window. The content includes:

- Header:** SHAKTI SWAROOP NAYAK, sssn.1458@gmail.com | (+91) 9777389659
- Social Links:** [@shaktissn](#) (Twitter icon), [Shakti Swaroop Nayak](#) (LinkedIn icon)
- SKILLS:** Java, HTML, CSS, Javascript, Python, C Programming
- EDUCATION:**
 - Computer Science and Engineering | Government College of Engineering, Keonjhar
CGPA: 8.3 | (2024)
 - XII (CHSE, Odisha) | Gayatri Residential Higher Secondary School, Keonjhar
76.5% | 2024
 - X (ICSE) | Nirmala Convent School, Keonjhar
89.5% | 2022
- EXPERIENCE:**
 - Internship on Artificial Intelligence and IBM Cloud Technologies | Edunet

The browser's status bar at the bottom shows the date and time as 27-09-2025, 06:43 PM.

RESULT 6

The screenshot shows a resume website for Shakti Swaroop Nayak. The top navigation bar includes tabs for 'shaktissn/Resume' and 'Shakti Swaroop Nayak — Inter...'.

The main content area displays:

- C Programming**
- EDUCATION**
 - ❖ Computer Science and Engineering | Government College of Engineering, Keonjhar
CGPA: 8.3 | (2024)
 - ❖ XII (CHSE, Odisha) | Gayatri Residential Higher Secondary School, Keonjhar
76.5% | 2024
 - ❖ X (ICSE) | Nirmala Convent School, Keonjhar
89.5% | 2022
- EXPERIENCE**
 - ❖ Internship on Artificial Intelligence and IBM Cloud Technologies | Edunet

At the bottom of the resume section are two buttons: 'Download Resume (PDF)' and 'Open in new tab'.

Contact

Email: s.ssn.1458@gmail.com • Phone: (+91) 9777389659

[GitHub](#) [LinkedIn](#)

At the very bottom of the page, the footer reads: © 2025 Shakti Swaroop Nayak — Built with ❤️

The taskbar at the bottom of the screen shows various icons for system status and system tray items.

GITHUB AND DEPLOYMNET LINK

- GitHub Repository: [Click Here](#)
- Live Website: [Click Here](#)

CONCLUSION

This portfolio provides a dynamic and professional online presence. It enhances visibility, showcases technical skills, and serves as a digital resume for academic and career opportunities.

FUTURE SCOPE(OPTIONAL)

- Backend integration for contact form (Node.js + Email API)
- Admin dashboard for dynamic content updates
- Analytics integration for visitor tracking
- Theme customization options

REFERENCES

- GitHub Pages Documentation
- CSS Tricks – Responsive Design
- JavaScript.info – DOM Manipulation
- [NanthiniMoha/TNSDC-FWD-DIGITAL_PORTFOLIO](#)
- [Get started with Bootstrap · Bootstrap v5.3](#)



THANK YOU