

# NIGASH M

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🌐 [Portfolio](#)

## Education

### Mahendra Engineering College

Master of Computer Applications

Cum. GPA: 8.5

Aug. 2023 – June 2025

Namakkal, Tamil Nadu

### Mahendra Arts and Science College

Bachelor of Computer Applications

Cum. GPA: 7.5

June 2020 – May 2023

Namakkal, Tamil Nadu

### Model Higher Secondary School

HSC

Percentage: 60%

June 2019 – March 2020

Salem, Tamil Nadu

## Relevant Coursework

- Python Programming
- Data Structures
- Software Testing and Quality Assurance
- Selenium
- Web Development
- Agile Testing with Jira

## Experience

### CodeAlpha

Python Developer Intern

Feb 2024 – April 2024

Bangalore, Karnataka

- Developed a TO-DO List application in Python with task prioritization and real-time updates, ensuring usability through rigorous testing.
- Engineered a secure Password Generator with customizable length and complexity, enhancing user security and experience.
- Automated unit testing using Python and Selenium, boosting software reliability and accelerating bug identification.
- Utilized Jira for project management and bug tracking, fostering seamless communication in the development team.

### CodSoft

Python Developer Intern

Oct 2023 – Dec 2023

Bangalore, Karnataka

- Developed a user-friendly File Organizer in Python using Tkinter, allowing easy categorization of files by type.
- Utilized 'shutil' and 'os' modules for file manipulation and 'PIL' for image handling, ensuring efficient file management.
- Conducted thorough software testing to identify and resolve bugs, enhancing application reliability and user experience.
- Collaborated with team members using Jira for project management and Selenium for automated testing workflows.

## Projects

### Secure Pass Vault | Python, SQL, MySQL, Bcrypt, Jira, Selenium, Agile | GitHub Link

Jan 2024 – Mar 2024

- Developed the Secure Pass Vault application using Python and SQL, focusing on robust security practices for sensitive user data.
- Utilized bcrypt for password encryption and hashing, ensuring high-level security for user credentials.
- Implemented a user-friendly interface with Python, enhancing user experience and accessibility.
- Conducted thorough testing using Jira for project management and bug tracking, and Selenium for automated testing, including unit and integration tests, to validate functionality and reliability of the application.

### E-Commerce Site | HTML, CSS, JavaScript, Bootstrap | GitHub Link

Apr 2024 – Jun 2024

- Developed a responsive front-end e-commerce site using HTML, CSS, JavaScript, and Bootstrap, focusing on user experience and accessibility.
- Implemented interactive features such as product display, cart functionality, and checkout simulation, enhancing user engagement.
- Conducted thorough testing for usability and responsiveness across different devices and browsers, ensuring a seamless experience for users.

## Technical Skills

**Testing Methodologies:** Manual Testing, Automated Testing, Waterfall & Agile Testing

**Testing Tools:** Selenium, Jira, Test Collab, JMeter

**Languages:** Python, SQL, HTML/CSS

**Developer Tools:** VS Code, PyCharm, Jupyter Notebook

**Technologies/Frameworks:** GitHub, Linux