

Shamim Basha

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Portfolio: shamim-basha.github.io

I'm a passionate student with a strong desire to make a mark in the tech world. I've a solid foundation in programming languages, algorithms, and software development. I'm eager to apply my skills and creativity to real-world challenges and contribute to innovative solutions. Constantly striving to expand my knowledge, I'm excited to collaborate with industry professionals and fellow students to learn and grow together. Let's connect and explore how we can shape the future of technology!

Education

G.C.E Advanced Level - KG/Zahira College

2022

Combined Mathematics	Physics	I C T
C	C	A

G.C.E Ordinary Level - MR/Arafa National School

2019

Islam	Tamil	English	Mathematics	History	Science	Eng. Lit	Commerce	I. C. T
A	B	A	A	C	C	S	B	A

Skills

- **Effective Communication:** Translate technical concepts for diverse audiences.
- **Innovative Problem-Solving:** Analyze and resolve complex challenges through creative solutions.
- **Critical Thinker:** Evaluate options to make informed decisions. Apply logical thinking to solve intricate problems.
- **Collaborative Team Player:** Contribute positively within diverse teams to achieve project goals. Foster effective teamwork and communication.
- **Adaptable Learner:** Swiftly grasp new languages and technologies. Embrace evolving tech landscapes enthusiastically.
- **Time Management:** Balance coursework, projects, and commitments effectively. Consistently meet deadlines and milestones.
- **Attention to Detail:** Write clean, error-free code. Conduct thorough debugging for accurate results.
- **Creative Innovator:** Devise novel solutions for programming challenges. Implement efficiency-boosting approaches.
- **Effective Leader:** Guide teams toward shared objectives. Take initiative in group projects and activities.
- **Interpersonal Expertise:** Build strong relationships with peers, mentors, and clients. Collaborate openly and effectively.
- **User-Centric Design:** Develop solutions with user needs in mind. Prioritize user experience for enhanced design.
- **Ethical Awareness:** Understand ethical implications in software development. Integrate privacy and security considerations into coding.

Technical Skills

- | | | | |
|----------|----------|--------------|----------------|
| • HTML | • CSS | • JavaScript | • Bootstrap |
| • Python | • Django | • Flask | • SQL |
| • C | • C++ | • React | • React Native |

Certifications

- Python for beginners, University of Moratuwa May 2022
- Web design for beginners, University of Moratuwa Jun 2022
- Python programming, University of Moratuwa Jun 2022
- Frontend web development, University of Moratuwa Aug 2022
- CS50 X Introduction to Computer Science, Harvard University Jul 2023
C | Python | SQL | Flask | Web dev | Bootstrap
- CS50 P Introduction to programming with python, Harvard University Aug 2021

Projects

- **Kanban Board (web app)**
Description: I created a web-based Kanban Board application using HTML, CSS, and JavaScript, leveraging local storage to provide users with a flexible and efficient task management solution. This intuitive app allows users to organize tasks into customizable boards with columns, easily move tasks between stages, and store data locally for seamless accessibility across sessions. Through this project, I demonstrated my proficiency in front-end web development, user interface design, and data management, showcasing my ability to deliver user-friendly web applications for efficient task tracking and management.
Technologies: HTML, CSS, JavaScript, Local Storage
GitHub: <https://github.com/Shamim-Basha/kanban-board>
- **Path Finding Visualizer**
Description: I developed a Python-based Path Searching Visualizer using the Pygame library, which enables users to explore and visualize pathfinding algorithms such as BFS, DFS, Greedy Best-First Search, and A* Search. This project highlights my Python programming skills, algorithm design expertise, and ability to create educational and interactive software tools for visualizing complex concepts.
Technologies: Python, Pygame
GitHub: https://github.com/Shamim-Basha/path_searching_visualizer
- **Tic-Tac-Toe AI**
Description: Engineered a captivating Tic-Tac-Toe application using Python and Pygame, fusing a classic game with advanced AI powered by the *Minimax algorithm*. The application engages players in a strategic battle, providing an interactive Pygame interface for gameplay. The Minimax algorithm orchestrates the AI opponent's decision-making, ensuring optimal moves within each turn. This algorithm's integration adds depth and challenge to the player experience. The app, equipped with adjustable difficulty levels, accommodates users of varying skills
Technologies: Python, Pygame
GitHub: <https://github.com/Shamim-Basha/Tic-Tac-Toe-AI.git>
- **Movie Browser**
Description: I designed and developed a mobile app using React Native that offers a seamless movie browsing experience. This app provides users with the ability to explore a vast collection of movies, view detailed information. It incorporates an intuitive user interface, ensuring ease of navigation and an engaging user experience. Through this project, I demonstrated proficiency in mobile app development, user interface design, and the integration of external data sources, reflecting my commitment to delivering high-quality, user-centric software solutions.
Technologies: React-Native, Expo
GitHub: <https://github.com/Shamim-Basha/rn-movie-browser>

Thank you for considering my application. I look forward to the opportunity to discuss how my skills and experiences align with your needs. Please feel free to reach out to me via [email](#) or phone.