Rob Basnet

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EDUCATION

Gettysburg College | Gettysburg, PA   May 2027

Bachelor's of Science in Computer Science

  Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Web Development (HTML, CSS, JavaScript, Node.js).

PROJECTS

Paint App

-Developed a Java-based paint application using OOP principles and GUI (Swing), enabling users to create, move, copy, delete, and group shapes for a more interactive experience.

-Integrated advanced features like multi-shape manipulation and intuitive controls, enhancing user creativity and control within the app.

Simulation App

-Developed a Java-based simulation app using OOP and GUI, where flowers, bugs, and chameleons interact in a dynamic ecosystem: bugs eat flowers, decay into flowers after death, while chameleons eat both bugs and flowers.

-Implemented life cycles based on health and age, creating a continuously evolving world where entities decay and transform, ensuring the virtual ecosystem remains balanced and self-sustaining.

Rock, Paper, Scissor Game

-Developed a Rock-Paper-Scissors game using HTML, CSS, and JavaScript to show skills in front-end web development.

-I have implemented dynamic user interaction and score tracking to create an engaging gaming experience.

LEADERSHIP & VOLUNTEER EXPERIENCE

Scout Server   Kathmandu, Nepal | May 2015-2019

 -Controlled traffic in heavy traffic time and location ensuring the safety of all the pedestrians and motor vehicles.

-Guided students on a 10-day forest camp experience with team-building exercises, wilderness survival, and environmental awareness.

Lead | STEM Project Group   Kathmandu, Nepal | October 2019

-Collaborated with five students and a professor on a project to develop a remote-control car.

-Researched, planned, and communicated from brainstorming the initial idea to project completion.

Member | Association for Computing Machinery   Gettysburg, PA | Sep 2023 – Present

-Participate in coding challenges and hackathons to improve problem-solving and software development skills.

-Collaborate with peers on small coding projects and discuss the latest trends in technology and programming.

TECHNICAL SKILLS

Programming Languages: Java, Python, HTML, CSS, JavaScript, SQL, Node.js

Tools & Technologies: Git, Latex

Frameworks: Java Swing, Bootstrap