Shruti Debnath

LinkedIn: shrutidebnath224
GitHub: github.com/shruti-246

Mobile: +1 986-600-8506
Email: debnathshruti477@gmail.com
Moscow, ID 83843
Portfolio: ShrutiDebnath.com

EDUCATION

University at Idaho | *Recipient of the Invitation to Idaho Scholarship* — Idaho, USA
Bachelors in Computer Science; GPA: 3.41/4.0 (Dean's List: 3/7 semesters) — *August 2022 – Present*

TECHNICAL SKILLS

Programming: C/C++/C#, Python, JavaScript, HTML/CSS, Dart
Database: MongoDB, MySql, SQLite
Development: Node.js, ReactJS, Bootstrap, Flutter, RESTful APIs
Dev Tools: Git, VS Code, Unity,
Others: Data Structures And Algorithms, Object Oriented Design

EXPERIENCE

SI-PASS Leader — Aug 2024 – Present
University of Idaho | College Success (Tutoring) — *Idaho, USA*

- Strengthened **leadership** and facilitation skills by guiding students through interactive learning sessions.
- Improved communication and adaptability by supporting diverse students with varying learning needs and also developed problem-solving abilities.

PROJECTS

Generate Test cases for software development — *| In-progress (Capstone Project)*

- Capstone project focused on building automated tools to generate software test cases, reducing reliance on manual testing and improving overall QA efficiency.

Flutter Portfolio App — *| Flutter, Dart*, Link: GitHub Page

- Developed a personal portfolio application using **Flutter & Dart**, featuring an interactive UI to showcase selected projects.
- Packaged and deployed the web build via **GitHub Pages**, leveraging **Git** for version control and CI-style deployment.
- Demonstrated cross-platform development skills and understanding of a complete workflow from coding to hosting.

My FUN Portfolio — *| In-progress | HTML, Tailwind CSS, REACT, Git*

- Building a Netflix-inspired portfolio showcasing previous work with dynamic cards, responsive layouts, and smooth animations using **React** and **Tailwind CSS**.

Barter App — *| Flask, Python, HTML, SQLite, Git*

- Built and deployed a **full-stack** app using Flask (Backend) and HTML/CSS/JS (Frontend) for Web Application.
- Developed a barter platform enabling users to securely exchange goods, listing items, admin control and code based confirmation.
- Designed intuitive UI components focused on clean user experience. Integrated **SQLite**, showcasing backend experience in database design and **REST APIs**.

Combat Game — *| Unity, C#, Git*

- **Led** a team of seven, in creating a Unity-based 2D combat game.
- Took charge for UI/UX, Testing my portion, Team management and git structure.

E-commerce Website — *| FasTAPI, REACT, MySQL*

- **Collaborated** with a team to build a scalable e-commerce platform using FastAPI (backend) and React (frontend).
- Designed and implemented the **MySQL** database, ensuring optimized schema, relationships, and queries for seamless data handling.

Invisible Cloth using Python — *| Opencv, Numpy, Python*

- Developed an interactive Python-based color-detection project using **OpenCV**, **NumPy** and real-time image processing. Emphasized clean code practices and problem-solving with Python.

RELEVANT COURSEWORK

Data Structures and Algorithms	Object Oriented Programming	Database Management Systems
Operating Systems	Software Engineering	Compiler Design
Computer Architecture	Applied Data Science with Python	Secure Coding