



Abir Hasan Supta

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SKILLS

Languages: Python, C, Java, HTML, CSS, JavaScript, SQL (MySQL, PostgreSQL)

Technologies & Tools: Django, Flask, FastAPI, Node.js, Express.js, React, MongoDB, REST APIs, Linux, Git

PROJECTS

[\[github\]](#) **ARTNET** - Django, TensorFlow, PyTorch, Stable Diffusion, Bootstrap

- Developed an intuitive web interface using Django for user interactions and database management.
- Implemented image stylization using TensorFlow and PyTorch with pre-trained models.
- Utilized Stable Diffusion for generating artwork from text prompts.

[\[github\]](#) **E-COMMERCE WEBSITE** - Flask, SQLAlchemy, Stripe API, Bootstrap

- Implemented user authentication, product categorization, and SQLAlchemy for data management.
- Integrated Stripe API for secure payments and created a responsive shopping cart.
- Set up email notifications for purchase confirmations and feedback submissions.
- Developed an admin panel for product management including creation, editing, and removal of products.

[\[github\]](#) **SPACE INVADERS GAME** - Python, Turtle, Pillow

- Implemented movement patterns for both enemy aliens and user-controlled spaceships, along with bullet mechanics and collision detection to enhance interactivity.
- Utilized Python's random module for dynamic enemy movements and unpredictable bullet patterns.
- Designed UI features like score displays, life counters, and game-over screens using Turtle graphics for intuitive visuals and lively animations.

PROBLEM SOLVING

Solved 500+ problems on LeetCode and Codeforces, enhancing data structures, algorithms and problem-solving skills.

LeetCode: [abirsupta](#)

Codeforces: [abirhasansupta](#)

AWARDS & PARTICIPATIONS

1st Runner-up : Programming Contest, Intra Department Junior Programming Contest - 2020, UAP

2nd Runner-up : Project Showcasing, 5th Inter-Department Software & Hardware Carnival - 2022, UAP

2nd Runner-up : Programming Contest, Omor Ekushe Coding Competition - 2023, UAP

Participated : SRBD Code Contest - 2022

Participated : Intra University Programming Contest - 2022, UAP

EDUCATION

University of Asia Pacific

B.Sc. in Computer Science and Engineering

CGPA : 3.67 / 4.00

Dhaka, Bangladesh

2019 - 2023

- **Vice Chancellor's Honor List Award**, Spring '22
- **Dean's Honor List Award**, Fall '22 & Spring '23

VOLUNTEER EXPERIENCE

Hotel Team Leader, 45th ICPC World Finals, Dhaka

November 2022

- Managed logistics for ICPC officials, ensuring smooth coordination with organizers and hotel staff.
- Provided on-call support, resolving logistical issues promptly for a successful event execution.