

# RIPA RANI BISWAS

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## EDUCATION

<b>University Of Asia Pacific</b> <i>BSc in Computer Science and Engineering - CGPA - 3.98/4.00</i>	<b>2021 – 2024</b> <i>Dhaka, Bangladesh</i>
<b>Narayanganj Govt. Mohila College</b> <i>HSC in Science - GPA - 4.08/5.00</i>	<b>2018 – 2019</b> <i>Narayanganj, Bangladesh</i>

## EXPERIENCE

<b>Software Engineer</b> <i>Cyber Bangla</i>	<b>July 2024 – Present</b> <i>Dhaka, Bangladesh</i>
<ul style="list-style-type: none"><li>Developed and maintained Cyber Bangla's e-learning platform, implementing features for course management, user authentication, and secure content delivery.</li><li>Collaborated with a team to enhance the platform's UI/UX.</li><li>Integrated payment gateways, video streaming, and interactive learning modules to improve the user experience.</li></ul>	

## SKILLS

**Languages:** Python, C++, C, Java, SQL  
**Technologies/Frameworks:** Django, Flask, HTML5, CSS3, Tailwind CSS, Bootstrap, React-Js, Javascript  
**Libraries/Tools:** Selenium, BeautifulSoup, Streamlit, Gradio, Hugging Face  
**Machine Learning:** Machine learning algorithms, Predictive modeling, Decision analysis, Data Analysis  
**Data Visualization Tools:** Power BI  
**Developer Tools:** VS Code, PyCharm, Canva

## PROJECTS

<b>BestDeal</b> <a href="#">↗</a>   <a href="#">HTML</a> , <a href="#">CSS</a> , <a href="#">Bootstrap</a> , <a href="#">JavaScript</a> , <a href="#">Selenium</a> , <a href="#">Python</a> , <a href="#">Django</a> , <a href="#">Websockets</a>	<b>2023</b>
<ul style="list-style-type: none"><li>Developed a web app for real-time price comparison across e-commerce sites using Selenium and Django.</li><li>Integrated Websockets for instant price updates and enhanced user shopping experience.</li></ul>	
<b>Film &amp; Photography Club</b> <a href="#">↗</a>   <a href="#">HTML</a> , <a href="#">CSS</a> , <a href="#">Bootstrap</a> , <a href="#">JavaScript</a> , <a href="#">Python</a> , <a href="#">Django</a>	<b>2024</b>
<ul style="list-style-type: none"><li>Built a website for a university club with an interactive activity slider, secure login, and content management.</li><li>Designed a responsive sidebar for real-time updates and user engagement.</li></ul>	
<b>Smartphone Price Predictor</b> <a href="#">↗</a>   <a href="#">Python</a> , <a href="#">Jupyter Notebook</a> , <a href="#">Hugging Face</a> , <a href="#">Streamlit</a>	<b>2024</b>
<ul style="list-style-type: none"><li>Built a machine learning-based web app to predict smartphone prices in BDT.</li><li>Automated data collection, trained a predictive model, and deployed it on Hugging Face Spaces.</li></ul>	
<b>Credit Card Insights</b> <a href="#">↗</a>   <a href="#">Power BI</a>	<b>2024</b>
<ul style="list-style-type: none"><li>Designed a Power BI dashboard analyzing credit card transactions and customer behavior.</li><li>Provided insights on demographics, spending patterns, and revenue trends.</li></ul>	
<b>Dhaka Bus Pathways</b> <a href="#">↗</a>   <a href="#">BeautifulSoup</a> , <a href="#">Python</a> , <a href="#">Flask</a> , <a href="#">HTML</a> , <a href="#">CSS</a>	<b>2023</b>
<ul style="list-style-type: none"><li>Developed a web app for searching and saving Dhaka bus routes.</li><li>Implemented web scraping for route data and a user-friendly search function.</li></ul>	
<b>Horse or Human</b> <a href="#">↗</a>   <a href="#">Python</a> , <a href="#">Flask</a> , <a href="#">HTML</a> , <a href="#">CSS</a>	<b>2023</b>
<ul style="list-style-type: none"><li>Built a CNN-based web app to classify images as horse or human.</li><li>Enabled instant predictions via an intuitive image upload interface.</li></ul>	

# THESIS PROJECT

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## Development of an Outcome-Based Education (OBE) Platform

Ongoing

- Developing an OBE platform for curriculum mapping, assessment, and evaluation.
- Implementing CO-PO management and student performance tracking.
- Built with Django Rest Framework (DRF), React.js, and Tailwind CSS.
- Currently in development for university-wide deployment.

## RELEVANT COURSEWORK

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|---------------------|---------------------|--------------------|------------------------|
| • DSA               | • OOPs Concepts     | • System Design    | • Software Engineering |
| • Operating Systems | • Computer Networks | • Machine Learning | • DBMS                 |

## ACHIEVEMENTS

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- **Vice Chancellor's Award, (Spring - 24)**
- **CSE Tech Carnival, 2024**  
Secured the first runner-up position at the 'Software Project Showcase'.
- **Vice Chancellor's Award, (Fall- 23)**
- **Vice Chancellor's Award, (Spring- 23)**
- **Vice Chancellor's Award, (Fall- 22)**
- **Vice Chancellor's Award, (Spring- 22)**
- **Math Olympiad 1.0, (2022)**  
Placed 10th in The Inter Departmental Math Olympiad 1.0.
- **Vice Chancellor's Award, (Fall- 21)**
- **Vice Chancellor's Award, (Spring- 21)**
- **Vice Chancellor's Award, (Fall- 20)**

## CERTIFICATIONS

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- HackTheVerse (Hackathon) – Cefalo presents ITverse 2023
- SEC CSE FEST 2022
- 6th National Girls Programming Contest 2022
- Ada Lovelace Celebration 2022
- UAP Intra University Programming Contest - 2022
- IDEA Season 2.0
- EEE Tech Fest 2023 - UAP
- Supervised Machine Learning: Regression and Classification - Coursera
- Machine Learning with Python - freeCodeCamp
- Python Basic - HackerRank
- SQL - HackerRank
- MS Excel Basics for Beginners - Bohubrihi
- HTML course - Sololearn
- Data Science course - Sololearn
- CSS Course - Sololearn
- SQL - Sololearn
- HTML5 & CSS3 - Pirple

## EXTRA-CURRICULAR ACTIVITIES

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### Film & Photography Club

2023 – 2024

*President*

*University Of Asia Pacific, Dhaka, Bangladesh*

- As President, organized **View Finder Season 7 and Photo Adda**, developing team management and event organizing skills. Previously served as Vice President, supported club initiatives, managed communications as General Secretary, and oversaw budgeting and finances as Treasurer.