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## **EDUCATION**

#### United International University

2020-2024

Bachelor of Science in Computer Science and Engineering

United City, Madani Avenue, Dhaka 1212

- CGPA: 3.67

- Major: Software Engineering.

- Final Year Project Topic: Grade Vision.

 Relevant Coursework: • Data Structures and Algorithms •Artificial Intelligence • Web Programming • Basic Graph Theory • Machine Learning • Software Architecture • Human-Computer Interaction • Software Testing and Quality Assurance.

### EXPERIENCE

## • Undergraduate Teaching Assistant

Feb 2023 - Oct 2024

United Internation University

United City, Madani Avenue, Dhaka 1212

Assisted faculty in course instruction by conducting review sessions, grading assignments, and providing one-onone academic support to students. Facilitated effective communication between students and instructors, ensuring
clarity in course materials.

#### • Professional Experience: Trainee Full-stack Developer

Feb 2024 -Sept 2024

Center for Development of It Professionals - CDIP

United City, Madani Avenue, Dhaka 1212

- This JavaScript Full Stack Development Training Program trains participants in React, Node.js, and Next.js, preparing them for careers in web development. It targets students, graduates, professionals, and entrepreneurs with hands-on projects, expert trainers, certification, career support, and a flexible one-day-a-week schedule.

## TECHNICAL SKILLS & INTERESTS

Languages: C, C++, C#, PHP, JavaScript, Java, HTML, CSS, SQL.

Frameworks/Developer Tools: NextJs, .NET, Burp Suite, Bootstrap, Git, LaTeX

Databases: MySQL, MongoDB.

Soft Skills: Problem-solving, Leadership, Teaching.

 $\mathbf{Ui}/\mathbf{Ux}$ :Figma

Project Management Tool: Jira

Areas of Interest: Full-Stack Development, UI/UX Design, Web Security, Responsive Design, Quality Assurance

(QA)

#### PROJECT

# • SwiftEats | Github link

November 2024

SwiftEats is an intuitive and efficient food delivery platform.

- Tools & technologies used: Next.js, Node.js, MongoDB, API, HTML, CSS
- It is an intuitive and efficient food delivery platform where restaurants, users, and delivery personnel come together. SwiftEats offers a seamless experience for food enthusiasts, restaurant owners, and delivery personnel.
- Restaurant Owners: Add, edit, and delete food items to manage their menu efficiently.
- Users: Search for restaurants by name or city, order food, track order history, and view total bills.
- Delivery personnel: Accept orders based on city and check their delivery history.

## • University Talent Showcase | Github link

September 202

A dynamic web-based project designed to empower students, faculty, and administrators in showcasing.

- Tools & technologies used: PHP, JavaScript, MySQL, HTML, CSS
- This Platform facilitates a streamlined process for students to upload creative content, faculties to evaluate and rate submissions, and administrators to oversee the entire system.
- This platform enables admins to manage faculties, approve content, assign judges, and monitor results.
- Students can upload multimedia content, participate in events, and view results, while faculty members can rate student submissions through a secure 5-star system.
- Rankings are displayed on a result portal, highlighting the top 3 students with medals.

• Cinephiles | Github link

April 2023

Web app for movie enthusiasts with exploration, lists, watch parties, and a vibrant community.

- Tools & technologies used: PHP, JavaScript, Ajax, MySQL, HTML, CSS
- Led a dynamic team of **4 developers** in successfully delivering the entire project, encompassing features like movie exploration, personal lists, watch parties, friendship features, and the innovative meme contest.
- Implemented movie-themed **meme contest** feature with voting, boosting user engagement.
- Developed **user-friendly privacy** controls with customizable settings for personal lists, ensuring both enhanced user experience and robust data security.
- Course Management System | Q Github link April 2022

A website for students to select courses, personalized recommendations, and friend-based course matching.

- Tools & technologies used: PHP, Mysql, JavaScript, HTML, CSS
- Implemented a schedule algorithm optimizing academic planning for students.
- Developed a collaborative feature for **matching courses with friends**, fostering shared learning experiences.
- FIFA World Cup Management System project(FWCMS) | G Github link

  A Java-based FIFA World Cup Management System.

  March 2021
  - Tools & technologies used: Java FWCMS is an Advanced Object-Oriented Programming Project based on real-life key features. Users and admins will be connected through the server socket. Football is an international sport. With this project, people can enjoy FIFA 22 from everywhere.

#### ACHIEVEMENTS

- System Analysis and Design Lab Category of CSE project Show, Fall 2022 | Certificate 3nd Runner-up out of 200+ participants.
  - Created a movie enthusiast web app with exploration, lists, watch parties, and a lively community.
- •Merit-based scholarship: 100% 3 times, 50% 3 times, 25% 2 times.

## RESEARCH

# Conferences

- Data Segmentation with Improved K-Means Clustering Algorithm | **IEEE** 2023 26th International Conference on Computer and Information Technology | Paper link | Dec 13-15, 2023
- Status: Accepted | Paper ID: 1239 | High school students performance analyser using machine learning approach | IEEE 2024 27th International Conference on Computer and Information Technology