Bagas Mustoffa Althaf

Computer Science

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Technical Skills

- Programming Languages: Python, C, C++, Java, JavaScript.
- Software Development: Object-Oriented Programming, Data Structures, Pattern Software Design, Algorithm Design.
- Tools: Git, GitHub, VS Code, VS 2022.
- Web Development: HTML, CSS, JavaScript.
- Databases: SQL, Database Management Systems.
- Machine Learning & AI: Basic ML algorithms, supervised learning, computer vision (OpenCV).

Organizational Experience

Publication and Marketing Activist - HIMTI BINUS   2024 – 2025

Publication and Marketing division is responsible for developing HIMTI's relationships and communication with various other parties, and for promoting and distributing the various products made by HIMTI BINUS. Besides that, I am also active in several HIMTI BINUS events that hold problem-solving, critical thinking, and teamwork activities, such as:

- Contributed as a Logistics, Transportation, and Security Division of HISHOT 2024
- Contributed as a Event Division of SESVENT 2024
- Contributed as a Event Division of HILET 2025
- Contributed as a Event Division Coordinator of HIMTI Farewell
- Contributed as a Logistics, Transportation, and Security Division of Studi Banding HMIF ITB X HIMTI BINUS 2025

Logistics, Transportation, and Security Comittee Member - ICPC   2024

The International Collegiate Programming Contest (ICPC) is an algorithmic programming contest for college students. Teams of three, representing their university, work to solve the most real-world problems, fostering collaboration, creativity, innovation, and the ability to perform under pressure. I prepare all the necessary needs for ICPC such as:

- Prepared all required supplies, equipment, and facilities for the committee, competition participants, and judges.
- Planned the entry and exit flow of BINUS University buildings, including backup routes for contingencies.
- Designed an evacuation plan for worst-case scenarios such as natural disasters.
- Provided and set up equipment for participants and organized their queues efficiently.

Freshmen Leader - BINUS University 2024

Freshmen Leader helps new students (Freshmen) to adapt and get to know the new campus environment during the OTP (Orientation & Transition Program), WoW (Week of Welcoming), AE (Academic Experience). I help my freshmens to face the First Year Program (FYP) at Binus University such as:

- Guided freshmen in getting to know the campus environment and facilities.
- Introduced and explained Binusian Values and Binus Graduate Attributes (BGA).
- Built rapport and established familiarity with new students to create a welcoming atmosphere.
- Ensured freshmen understood and followed campus policies and participated in activities appropriately.

Work Projects

Web Front-End Development Project: DiamondCut Motors 2024

DiamondCut Motors is a luxury card dealership website designed as part of an individual assignment for the Human and Computer Interaction lab course. The project showcases a responsive front-end interface built using HTML, CSS, and JavaScript, displaying vehicles from renowned brands such as Porsche, Mercedes-Benz, and Bugatti. I independently developed five core pages: homePage – Featuring a gallery of top-tier cars, Cars Page – Showcasing available vehicle swith a brand carousel, Showroom Page – Displaying showroom visuals and layout, About Us Page – Presenting the company's background and vision, and Login Page – Equipped with client-side validations.

Web Back-End Development Project: LOrd Card Shop 2025

LOrd Card Shop is an e-commerce web application designed to simplify the process of buying and selling collectible cards. It offers arange of features for users to purchase, sell, and explore cards across three access levels: Guest, Customer, and Admin. I served as the Back-End Developer, fully responsible for implementing the application's server-side logic. My contribution involved developing backend functionality for login, registration, cart management, profile updates, order processing, transaction reporting,and card inventory management.

Web Development Project: StudyCheck 2025

StudyCheck is a collaborative web-learning platform designed to provide verified and trustworthy educational content for students from kindergarten to university level. The platform offers interactive learning modules in text, image, and video formats—complete with quizzes, final projects, and progress tracking. A key feature, "Tanya PR," allows students to upload difficult questions and receive credible answers from qualified educators or subject-matter experts. I specifically worked on both front-end and back-end development, ensuring that the user interface was intuitive while the server-side logic and database integration were robust.

Education

- **BINUS University (2023 – 2027) Bachelor of Computer Science (S1)** 2023 – 2027
- **SMA Daar el-Qolam Islamic Boarding School (2023 – 2027) Major: Science** 2020 – 2023