

Portfolio

FAHIM SHAHORIAR

UI/UX Designer

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ABOUT ME

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Greetings! My name is Md Fahim Shahoriar Titu, and I am thrilled to introduce myself as a recent graduate of North South University, majoring in Computer Science and Engineering. My journey in academia has allowed me to develop a deep-rooted passion for the fields of SEO, SMM, ACM, and UI/UX design. As a driven individual, I take pride in working on challenging projects that allow me to flex my creative muscles and showcase my exceptional problem-solving skills.

PERSONAL SKILLS

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As a beginner, I possess an array of valuable skills that make me a promising candidate. Firstly, I have strong report and proposal writing skills, which allow me to articulate complex ideas and concepts effectively.

I have a basic understanding of HTML, CSS, and MySQL, enabling me to develop simple websites and databases. I am eager to expand my knowledge in these areas and take on more challenging projects.

I am a firm believer in the power of collaboration and teamwork. As a team player, I listen actively, communicate effectively, and contribute to a positive team dynamic.

My beginner level Canva skills allow me to create visually appealing designs for social media, presentations, and marketing materials. I am excited to explore new ways to use this tool to enhance my designs.



PERSONAL ABILITIES



Analytical skills

As a CSE engineer, I possess strong analytical skills that enable me to analyze complex problems, identify patterns, and develop effective algorithms. I am well aware that these skills are crucial for success in the field.



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Attention to detail

Attention to detail is another critical aspect of my work. I understand that even minor mistakes in coding or design can lead to significant issues down the line, so I always pay close attention to details.



Adaptability

CSE is a rapidly evolving field, and staying up-to-date with the latest technologies, tools, and programming languages is vital. I have developed the ability to adapt to new changes and learn quickly, which I believe is a valuable skill for my success as a CSE engineer.

EDUCATION

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**Cantonment
Board High
School Bagura
*20013 - 2014***

**Cantonment
Public School &
Collage Bagura
*2014 - 2016***

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**North South
University
*2018 - 2023***

WORK EXPERIENCE

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NASA ICT

JUNIOR UI/UX DESIGNER

Design a landing page for a new ecommerce website.

Create wireframes for an Application.

Conduct user research and create a design brief

NASA ICT(Multimedia)

WEB COPYWRITER

Write website copy for a client's website.

Create social media posters and blog posts.

Write email newsletters that keep customers informed about company's services.

WORK RATE

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17+

Graphic Design

27+

Podcast Cover Design

5+

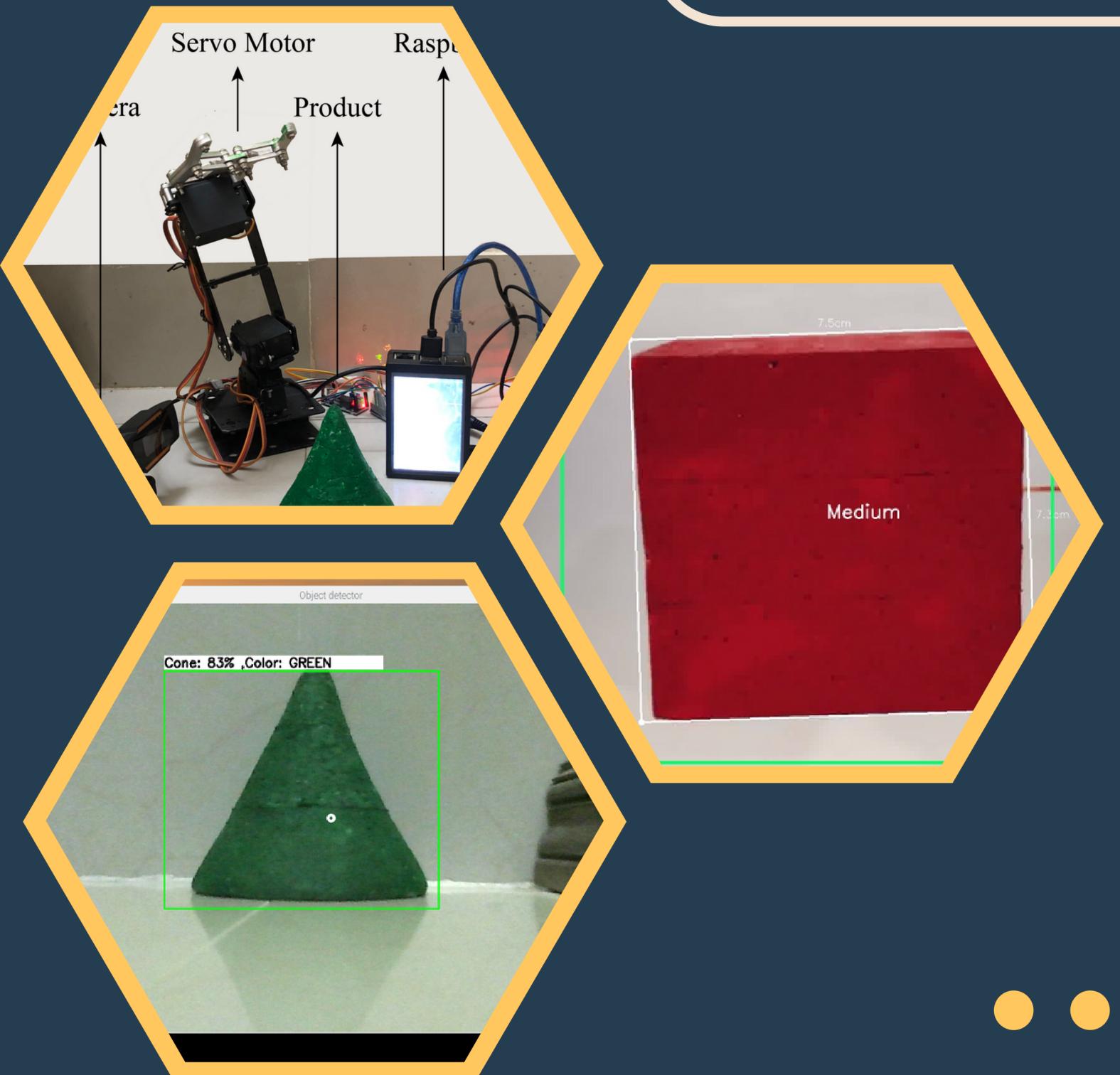
Front end Design

10+

Wireframe Design

MY PORTFOLIO

PROJECT 01



Collaborating with Robots: A Breakthrough in Industrial Manufacturing. Discover how cutting-edge computer vision techniques can revolutionize modern workplaces with automation and human-robot collaboration. Our research presents a powerful computational model that enables a robot to automatically detect an object's shape, color, and size with high accuracy, and integrate with a robotic arm to pick up a specific object. Our prototype based on Raspberry Pi-4B achieved 80.7% accuracy for geometrical shape detection and 81.07%, and 59.77% accuracy for color recognition and distance measurement, respectively. With a success rate of 99.8% in object's shape detection and 100% in object's color and size detection using the OpenCV image processing framework, this technology is ready to transform the industrial manufacturing sector. Join us on the forefront of innovation and explore the limitless possibilities of human-robot collaboration.



PROJECT 02

Our Medical Insurance Cost Prediction System, where we utilized Exploratory Data Analysis to gain insights from the dataset. Our team performed thorough data processing and engineering to prepare the data for modeling. With the aim to predict Insurance Cost based on various features, we built a model and tested several algorithms. Our findings reveal that Linear Regression algorithm outperformed others with an impressive MAE Score of 4305.20, RMSE Score of 6209.88, and R2 Score of 0.77. Our results indicate that the Linear Regression algorithm is a fitting choice based on its high train and test accuracy. Join us on our journey towards better healthcare cost prediction.



	LinearRegression
MAE	4305.20
RMSE	6209.88
R2	0.77
Accuracy	0.74
F1 Score	0.77



PROJECT 03

Addressing visual pollution is crucial to preserving the aesthetic value of our landscapes. A deep learning network and robotic vision system, powered by Google Street View and textiles, to detect pollution in Dhaka. We developed neural network models utilizing Faster SegFormer, YOLOv5, YOLOv6, YOLOv7, and EfficientDet to swiftly recognize and classify pollutants related to textiles, such as "Billboards," "Bricks," "Construction Materials," "Street-Litters," "Communication Towers," and "Tangles of Electric Wires." Our hardware solution consists of a Xiaomi-CMSXJ22A web camera, a 3.5-inch touchscreen display, and a Raspberry Pi 4B microcontroller, programmed with YOLOv5. After conducting numerous trials, we assessed the accuracy, recall, regularization loss, classification loss, mAP, IoU, precision, and other metrics, providing guidelines for the application of our findings.



THANK YOU

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*Stay inspired. Never
stop involving.*



LET'S CONNECT



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