

# KANCHON GHARAMI

## Undergraduate Student | Research Assistant

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I'm Kanchon Gharami, an ambitious final-year Computer Science and Engineering student, with graduation slated for September 2023. My journey thus far is marked by experiences as a AI research assistant, engaging in software projects development, and actively participating in scholarly publishing. I've sharpened a broad skill set including full-stack web development, graphic design, IoT, and beyond. Fueled by unyielding passion, my work not only innovates, but captivates, aiming to leave a lasting imprint in the realm of technology.

### EDUCATIONAL QUALIFICATION

2018 - 2023	<b>B.Sc. in Computer Science and Engineering, RAJSHAHI UNIVERSITY OF ENGINEERING AND TECHNOLOGY, Bangladesh</b> CGPA : 3.36* (till 6th semester) <div>Out of 4.00</div>
2015 - 2017	<b>H.S.C., RAJSHAHI COLLEGIATE SCHOOL AND COLLEGE, Bangladesh</b> GPA : 5.00 <div>Out of 5.00</div>
2015	<b>S.S.C., RAJSHAHI B. B. HINDU ACADEMY, Bangladesh</b> GPA : 5.00 <div>Out of 5.00</div>

### WORKING EXPERIENCE

August 2021- Present	<b>Research Assistant , (REMOTE), MyMedicalHub Int. Ltd.</b> Responsibilities : <div>AI model development   Web development   Server management</div>
June 2020- Present	<b>CTO , (STARTUP), Startup Surokkha</b> Responsibilities : <div>System analysis   Web development   IoT project implementations</div>
July 2021- December 2021	<b>UI-UX Designer , QUBITECH SOLUTION, Bangladesh</b> Responsibilities : <div>UI-UX   Graphics Design   System Design</div>
May 2019- June 2020	<b>Programmer , CODESTUDIO, Bangladesh</b> Responsibilities : <div>Full stack web development   UI-UX design</div>

### RESEARCH EXPERIENCE

Thesis	<b>"Generative Adversarial Network Based Lifelong Trajectory Prediction of Autonomous Vehicles"</b>
SSRN arxiv	Gharami, Kanchon and Rabbi, Golam and Rashid, Kazi Mehrab and Shatabda, Swakkhar and Shovan, S.M. and Hasan, Md. Al Mehedi, <b>"An Efficient Natural Merge Sort Incorporating Array Decomposition."</b> Available at SSRN : <a href="https://ssrn.com/abstract=4053511">https://ssrn.com/abstract=4053511</a> or <a href="http://dx.doi.org/10.2139/ssrn.4053511">http://dx.doi.org/10.2139/ssrn.4053511</a>
Under review	Kanchon Gharami, Mazharul Islam tusher, Anirban Baroi, Md. Asifur Rahman, S.M. Shovan, Md. Azmain Yakin Srizon <b>"IoT Based Intelligent System to Ensure Occupational Safety and Health"</b>
Under review	Kanchon Gharami, Golam Rabbi, Kazi Meherab Rashid, S.M. Shovan <b>"IoT Based Smart Blind Man Stick"</b>
On Progress	<b>"Enhanced Single Image Dehazing Incorporating CycleGAN"</b>
On Progress	<b>"Parallelizing Pruning for DNA Sequence Algorithms : A Study on Needleman-Wunsch and BLAST Optimization"</b>

## PROGRAMMING SKILLS

Language	Python , C/C++ , C# , Javascript , HTML5 , PHP , Java
Deep Learning	Tensorflow, Pytorch
Frameworks	Django , Node , Arduino SDK , Bootstrap , Wordpress
Database	MySQL , PostgreSQL , SQLite , MongoDB
Other	Algorithm , Data Structure , OOP , Problem-solving
Tools	LaTeX , Pack Office(Word , Excel , PowerPoint)
Graphic Design	Pack Adobe(Illustrator , Photoshop , Xd , Lightroom)
Server	Azure , Xampp
Operating System	Windows , Linux , Android.

## </> LANGUAGES SKILLS

Bangla ●●●●●  
English ●●●●○

## + STRENGTH

- > Passionate
- > Energetic
- > Honest

## PROJECTS

### DREAM HOUSING : WEB BASED HOUSE RENT MANAGEMENT SYSTEM

2021

[github.com/Kanchon-Gharami/DreamHousing](https://github.com/Kanchon-Gharami/DreamHousing) [5th semester Project](#)

Introducing a comprehensive housing platform, enabling seamless interactions between homeowners, renters/buyers, and administrators. It leverages Bootstrap and HTML for an intuitive front-end, and Django with SQLite server for a robust back-end, catering to all aspects of house rentals and sales.

Django SQLite Bootstrap Javascript HTML

### ONLINE EXAM PLATFORM

2020 - 2021

[github.com/Kanchon-Gharami/Django-Online-Exam-Platform](https://github.com/Kanchon-Gharami/Django-Online-Exam-Platform) [Web Project](#)

Presenting an efficient Online Examination System, designed for automatic evaluation and result publishing of MCQ tests. With distinct access for teachers, students, and administrators, it allows exam scheduling, question setting, and real-time participation. Crafted with Django and SQLite, it fosters a seamless, user-friendly educational environment.

Django SQLite Bootstrap Javascript HTML

### MEDIA PLAYER : AN INTERACTIVE MEDIA PLAYER

2018 - 2019

[github.com/Kanchon-Gharami/KanchonsMediaPlayer-An-Interactive-Media-Player](https://github.com/Kanchon-Gharami/KanchonsMediaPlayer-An-Interactive-Media-Player) [Windows Application](#)

Unveiling a dynamic Media Player, skillfully crafted using C and Windows Forms in Visual Studio. This application supports a wide range of media formats including video and audio, offering a visually appealing interface for a user-friendly multimedia experience.

C# .NET XML

### SMART BLIND MAN WALKING STICK

2018 - 2019

[github.com/Kanchon-Gharami](https://github.com/Kanchon-Gharami) [Arduino Project](#)

Developed an IoT-based Electronic Travel Aid that enhances mobility for the visually impaired, accurately detecting and avoiding obstacles with an efficacy of 80-95%. This innovative tool is lightweight, cost-effective, and flexible, significantly improving traditional travel aids.

Arduino IoT

## CO-CURRICULAR ACTIVITIES

National Hackathon	Champion, National Hackathon & Frontier Technology, Bangladesh 2020.
Math Olympiad	Twice regional Runner-up & National Participant.
Physics Olympiad	Regional Selectee & National Participant.
Martial Artist	1st Dan Black Belt in WTF Taekwondo.
Chess Enthusiast	Thrice junior district champion, and fourth time school champion.

## REFERENCES

Dr. Md. Al Mehedi Hasan

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Barshon Sen

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