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| **Abrar Hasan**  Mirpur-13, Dhaka  **Personal Phone No**: +8801521584145  **Alternative Phone No**: +8801403061198  **E-mail**: [abrarhasan1998@gmail.com](mailto:abrarhasan1998@gmail.com)  **GitHub**: <https://github.com/abrarhasan3>  **YouTube**: [youtube.com/@abrarhasan4197](mailto:youtube.com/@abrarhasan4197)  **LinkedIn**: [linkedin.com/in/abrarhasan3/](https://www.linkedin.com/in/abrarhasan3/) |  |

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| Objective |
| As a recent graduate in Computer Science and Engineering from KUET, I am impassioned to transition into the academic realm as a Lecturer. During my academic period, I enthusiastically conducted supplementary classes for peers, fostering a collaborative learning environment and enhancing my own understanding of the subject matter. Additionally, I actively manage a dynamic YouTube channel dedicated to educational content, where I create engaging videos to make complex concepts accessible and enjoyable for a global audience. Furthermore, I currently hold the position of President of the KUET Debating Society, which has polished my public speaking and leadership skills. With a good grip on Python, Java, C++, C, and Swift, along with hands-on teaching experience and a knack for making learning enjoyable, I'm eager to dive into a role as a Lecturer where I can inspire students and keep the learning vibe alive. |

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| Education | |
| BSc. (Engr.) Computer Science and EngineeringKhulna University of Engineering & Technology (KUET) CGPA: **3.64** out of 4.00 | 2019-2024 |
| Higher Secondary School Certificate (HSC)Notre Dame College, DhakaGPA: 5.00 out of 5.00 | 2016-2018 |
| Secondary School Certificate (SSC)Dinajpur Zila School, DinajpurGPA: 5.00 out of 5.00 | 2014-2016 |
| Publications | |
| **Journal:** | |
| “A Lightweight Cryptographic Framework Based on Hybrid Cellular Automata for IoT Applications.” *(Under Review, IEEE Access)*  **Abrar Hasan**, M.M.A. Hashem | |

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| Scholarships & Awards | |
| Dean's Award Dean's award from The Honorable Dean of Faculty of Electrical and Electronic Engineering (EEE), KUET for excellent results. | 2022 |
| Dean's Award Dean's award from The Honorable Dean of Faculty of Electrical and Electronic Engineering (EEE), KUET for excellent results. | 2021 |
| Dean's Award Dean's award from The Honorable Dean of Faculty of Electrical and Electronic Engineering (EEE), KUET for excellent results. | 2020 |
| ChampionFreshers League 2019Freshers’ League is one of the most prestigious tournaments arranged by KUET Debating Society. | 2019 |
| Government Scholarship, HSC Government Scholarship in HSC examination is awarded for Excellent result. | 2018 |
| Government Scholarship, SSCTalent-pool Scholarship the SSC examination is awarded for Excellent result. | 2016 |
| Regional Champion,Anti-Corruption Commission – Bangladesh DebateAnticorruption debate is a prestigious debate organized by Anti-Corruption Commission I participated from Dinajpur Zila School Team 1 and became champion. | 2015 |
| QuarterfinalistBangladesh Television Interschool DebateI participated the competition from Dinajpur Zila School Debate Team -1 and qualified for the quarterfinals among the teams across the country. | 2015 |

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| Thesis |
| A Study on Lightweight Cryptography Framework Based on Cellular Automata for IoT Applications*.* |

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| Academic Project | | | |
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| [Safe Road](https://github.com/abrarhasan3/System_For_Safe_Road.git) | **YOLOv4** **| Android Application** | | |
| This is a two-part project. An Android app is utilized in the first section for monitoring, route adjustment, and vehicle tracking. A traffic sign detector trained with YoloV4 makes up the second portion. | |  | |
| [**Modified Checkers Game**](https://github.com/abrarhasan3/Modified-Checkers-Game.git) | **Python | AI | Minmax Algorithm** | | |
| An AI based multiplayer game. Build with Pygame framework and minmax  algorithm. | | | |
| [**Mini Compiler**](https://github.com/abrarhasan3/Compiler-Project-for-3-2.git) | **Flex | Bison| C** | | |
| A compiler designed to transform a custom language code into C program  and execute it. | | | |
| [**Tuition Finder**](https://github.com/abrarhasan3/Tution_Finder.git) | **Swift | IOS** | | |
| An IOS application for the students and teachers for finding a tutor and apply  for tuition. | | | |
| [**Stock Database**](https://github.com/abrarhasan3/Simple-Database.git) | **Oracle | Database** | | |
| Developed a stock market database project using Oracle 10G Express Edition. Implemented several SQL queries for finding information. For example, analyzing maximum price holdings, profits, losses, and owner information etc. | | |  |
| [**Cardiac Recorder**](https://github.com/abrarhasan3/CardiacRecorder.git) | **Android | Java| Firebase** | | |
| Cardiac Recorder is a simple, useful and user-friendly android application to  monitor a person's heart rate, BMI and blood pressure | | | |
| [Railway Station Design](https://github.com/abrarhasan3/Rail-station-Design-in-Open-GL3.3.git) | **Graphics | OpenGL 3.3** | | |
| A model rail station was designed using OpenGL 3.3. | | | |
| [Water level Detector and Automatic Irrigation Tools](https://github.com/abrarhasan3/Water-level-Detector-and-Automatic-Irrigation-Tools.git) | **Arduino | Sensor** | | |
| This project is made with Sensors, Motors and Arduino to make an automated  system for Irrigation and auto water tank filling. | | | |
| [Stock Value Finder](https://github.com/abrarhasan3/StockValueFinder.git) | **Android | Java** | | |
| This application was developed in android Studio Platform to fetch stock price  of renowned companies. | | | |

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| Language Proficiency |
| proficient in **Bangla** and **English** |

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| Extra-Curricular Activities | |
| **President**  **KUET Debating Society**  Organized many workshops, intra-university and national tournaments **(KUET IV 2023)** for the university level students. | 2023-2024 |
| PresidentScience Club, Dinajpur Zila School Organized science fairs, Training sessions and workshops. | 2015-2016 |
| **General Secretary**  **Debate Club, Dinajpur Zila School**  Was active in both Debate and Organizing sessions and workshops. | 2015-2016 |
| **General Secretary**  **Debate Club, Dinajpur Zila School**  Organized various sessions, workshops. | 2015-2016 |

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| Technical Skill | |
| **Programming Language** | Python, C, C++, Java, Swift, HTML, SQL, CSS |
| **Database** | Oracle, Firebase |
| **Operating System** | Windows, Linux |
| **Framework and SDK** | IOS, Android |
| **Others** | GIT, LaTeX |

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| Competitive Programming | |
| [CODEFORCES](https://codeforces.com/profile/e-wiz) | Solved 364 problems with 1024 contest rating. |

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| Reference | |
| **Dr. M.M.A. Hashem**  **Professor**  Department of Computer Science and Engineering  Khulna University of Engineering & Technology,  Khulna -9203, Bangladesh  E-Mail: **hashem@cse.kuet.ac.bd**  Website: <http://www.kuet.ac.bd/cse/hashem/>  Phone no: **+8801714003949** | **Dr. K. M. Azharul Hasan**  **Professor**  Department of Computer Science and Engineering  Khulna University of Engineering & Technology,  Khulna -9203, Bangladesh  E-Mail: **az@cse.kuet.ac.bd**  Website: <https://www.kuet.ac.bd/cse/azhasan/>  Phone no: **+8801714087273** |