

# Alkemy Hossain

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## SKILLS SUMMARY

- **Languages:** JavaScript, Python, C, C++, JAVA, SQL
- **Frameworks:** Express, NodeJS, Gatsby, jQuery, Bootstrap, Material UI, Bulma CSS, SCSS, pugJs
- **Tools:** MongoDB, GIT, MySQL, SSMS, MSEXcel
- **Platforms:** Linux, Web, Windows, Arduino, Netlify, Linux Server

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## EXPERIENCE

- **Jr. Software Engineer** Remote  
*ChampTech (Part-time, Contractual)* *January 2020 - December 2020*
  - **Full Stack:** Architect and Developed “Tourgo” a web application for booking hotel rooms, and tour packages using Node.js, MongoDB, Typescript, and, pugJs.
  - **Front-End:** Developed “Easy Invoice” an invoice system for shops to keep track of their sales, stock using Node.js and Typescript. Also, Designed some static websites for the company.
- **ICT Trainer** Dhaka, BD  
*KOICA (Contractual)* *December 2019 (12 Days)*
  - **Project Trainer:** Worked as a trainer of a 12 days long training program named “ICT in Education” for high school teachers in Bangladesh by the Korea international cooperation agency.

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## RESEARCH

- **Fake news Identification by Stance Detection:** Implemented “Fake news Identification by Stance Detection”. As a team member, my responsibility was to work on the data set and Machine Learning model.)

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## ACADEMIC PROJECTS

- **Employee Payroll (DBMS):** Analyzed and develop an employee payroll system for organizations to keep track of their employee’s salaries. Here all the salary increments and the deduction are calculated automatically based on the employee’s designation and other factors. Using raw PHP, HTML, CSS, and MySQL.
- **FTP Server, VPN (Networking):** Created FTP server and Virtual Proxy Network for my networking course. For that, I had to set up an ubuntu server from scratch and install and change some of the utility files to make an FTP server and VPN. Using Virtual Machine, Ubuntu Server, Squid
- **IITS HelpDesk (MIS):** We develop this management system for our university IT society. Our motto was to make a centralized hassle-free help desk where students can take help from society and seniors. using PHP(Codeigniter), MySql, Javascript, Bootstrap.
- **Student Database (Programming in C) :** We developed this so that we can store all kinds of data of any student in this system. And we can view their information with a single search. Some concept C programming like functions, files, pointer, and string are used here.
- **Reverse Car Parking (FEDS):** We build an Arduino based reverse car parking system and attend intra university project showcasing. We used Arduino Uno, and an Ultrasonic sensor to build this project.

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## EDUCATION

- **International University of Business Agriculture and Engineering** Dhaka, Bangladesh  
*Bachelor of Science in Computer Science and Engineering; GPA: 3.66/4.00* *January 2016 - January 2020*  
*Courses: Data Structures and Algorithms, Discrete Mathematics, Networking, Operating Systems, System analysis, Databases..*
- **Milestone College** Dhaka Board  
*Higher Secondary School Certificate in Science; GPA: 5.00/5.00* *Passing Year 2014*

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## AWARDS AND CERTIFICATIONS

- Awarded as Winner of Intra University Robotics Contest.
- Attended Intra University Programming Contest.
- Second runner up of university Robotics Contest.
- Attend ‘ Introduction to programming in java’ on MIT OpenCourseWare.
- Attend ‘Web Scraping with Python’ on DataCamp.

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## VOLUNTEER EXPERIENCE

- **Mentor**  
*Mentored in the student mentoring class of the Department of Computer Science & Engineering, IUBAT.*
- **Deputy Event Manager**  
*Organized events, conducted workshops, and server more then 1400 Students of CSE Department.*