

Work Experiences

Junior Software Engineer Development Team	Free Pixel Games Ltd. Dhaka, Bangladesh	Feb 2021 – Dec 2021 Part-Time
<ul style="list-style-type: none">Reduced 50% analytical decision-making time by creating various game data analytics tools.Performed revision & expansion of existing codebases by implementing efficient algorithms to resolve critical bugs, increase code efficiency by 30% & adapt with new feature requirements.Improved revenue generation by continuously giving analytical reports based on user data.		
Software Engineer Intern Development Team	Mainframe Labs Ltd. Dhaka, Bangladesh	Sep 2020 – Dec 2020 Part-Time
<ul style="list-style-type: none">Reduced 60% processing time by developing an OMR scanning tool that calculates MCQ results from formatted paper scripts.Implemented new features to a website for over 30,000 users who are mostly high school students.		

Education

- Bangladesh University of Engineering & Technology**
B.Sc. Computer Science & Engineering
Feb 2017 – April 2022
Areas of Interest: Software Development, Machine Learning
Relevant Courses: Object-Oriented Programming, Data Structures & Algorithms, Operating System, Database, Software Development, Computer Security

Technical Skills

- Languages:** C++, Javascript, Python, Java, MySQL, MongoDB
- Technologies:** Node.js, React.js, Angular, Git, Docker
- Skills:** Data Structures & Algorithms, Web Development

Projects

Line Of Action:	React.js Javascript Minimax
<ul style="list-style-type: none">Performed minimax & heuristic algorithms to find optimal moves for AI by implementing a web based AI Line of Action game with AI vs human and human vs human play options.	
Tour Pedia:	React.js Node.js REST API MongoDB Docker
<ul style="list-style-type: none">Developed an efficient & high-quality backend with over 100 APIs for 16 different data tables and 3 different frontends to perform various user operations in the database.Minimized 50% effort of the travel agencies by creating an event planning tool for hosting tour events.Organized various rich information about tour events & tour categories of over 100 countries, places in one place for travelers by designing a web application.	
Online Judge:	Java JavaFX FTP
<ul style="list-style-type: none">Developed a Java-based FTP application to compile & verify user-submitted programming problems' solutions code by running an automated compiler.Designed a frontend to show different programming problems & take user submissions as solutions.	

Leadership & Other Activities

- Achieved 9th position out of over 100 participants in a university programming competition by participating with a 3 members team.
- Reached top 8% in a popular programming contest platform called Codeforces. Profile: [_Nyu_](#)
- Fixed 2 errors of payment API & introduced new a feature voluntary for an open-source charity organization's web page in [Github](#).