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Summary

I am a software engineer who possesses a deep passion for problem-solving and programming. My educational background includes a bachelor's in Software Engineering from the University of Dhaka. During my university years, I actively participated in both problem-solving and software development. I have completed 25+ academic software projects, solved 700+ competitive programming problems, and had 50+ online certifications in the computer science and software engineering field.

In summary, my academic and practical experience has provided me with a comprehensive skillset to solve complex problems and develop software solutions.

- Currently works as a Research Intern at **William & Mary**
- Worked as a Trainee Software Engineer at **Cefalo**
- Skilled in **Javascript**, **Java** & **Python** programming language
- Experienced in designing and implementing web application architectures using **React**, **Angular**, **Node**, **Express**, etc
- Strong communication and collaboration skills
- Proficient in developing **RESTful APIs**, including designing and implementing API endpoints, and authentication mechanisms
- Fundamental understanding of both **SQL** and **NoSQL** databases
- Basic knowledge of agile development methodologies, including continuous integration and automated deployment
- Competent in Git and collaborative coding projects
- Excellent team player with good problem-solving skills and self-motivation.

Experience



Research Intern

William & Mary

Aug 2023 - Present (5 months)

- Working on Software re-engineering, maintenance, and evolution
- Making datasets of the software system information stored in json format
- Implementing large language model in software system reconstruction
- Measuring the reconstruction performance and find out limitations of llms in software reconstruction perspective



Software Engineering Trainee

Cefalo

Jan 2023 - Jun 2023 (6 months)

- Learning about HTTP, REST API Basics
- Completing a beginner project using react, nodejs, expressjs, tailwind css

-Working on a in house project of the company to develop features

Librarian (In Charge)

Khilkheth Pathagar

Oct 2020 - Dec 2021 (1 year 3 months)

- Documenting books, readers, and other information in digital format.
- Completing Documentation for Government Registration.
- Organizing multiple cultural activities at national events.

Education



University of Dhaka

BSSE, Software Engineering

2019 - Dec 2023



Notre Dame College

H.S.C., Science

2016 - 2018



Kurmitola High School & College

S.S.C., Science

2011 - 2016

Licenses & Certifications



Introduction to Artificial Intelligence (AI) - IBM

VUN2XANJMX8Z



Introduction to HTML5 - University of Michigan

8JYE4B96UP8N



Google Cloud Product Fundamentals - Google Cloud Minnesota

EHZXD7CGYXZ



Object-Oriented Programming with Java - Coursera

J9ADV5GJPMTF



Programming for Everybody (Getting Started with Python) - University of Michigan

FDZX83TDLY63



Technical Support Fundamentals - Google

F59TU9NZTD9W



What is Your Life Goal? - Coursera

YFCZFAXRQRGL



Introduction to Bash Shell Scripting - Coursera

MSWF4EUD4M3P



Python Data Structures - University of Michigan

5BVKAN4NWRSY



Satellite Imagery Analysis in Python - Coursera

C5N734H9PSFE



Python Data Structures - Coursera

4D27SFW8FM65



Design Thinking for Innovation - University of Virginia

9877E23KVR54



Initiating and Planning Projects - University of California, Irvine - The Paul Merage School of Business

DTZPGKLVNRAQ



Managing Project Risks and Changes - University of California, Irvine - The Paul Merage School of Business

4TL8268Z5NMK



AI For Everyone - DeepLearning.AI

YNZE5RC8NVUQ



High-Impact Business Writing - University of California, Irvine - The Paul Merage School of Business

THRKNEG3YW3G



Using Python to Access Web Data - University of Michigan

SWBMRZRMNTJH



Getting Started with Google Classroom - Coursera

HKTH6T2BPKPE



Use Commands and Create a Remote Git Repository - Coursera

MMZEF2Q6TVF



Introduction to TCP/IP - Yonsei University

Q85LBQ6J2EX7



Java Built in Data Structures - Coursera

NRTVHW3HLMFF



Using Google Forms for Student Success - Coursera

YCLYU8BRD68Z



Psychological First Aid - The Johns Hopkins University

GE7Q2B4DR93T



The Art of Negotiation - University of California, Irvine - The Paul Merage School of Business

NTY5BLCGAMT3



Foundations of Everyday Leadership - University of Illinois Urbana-Champaign

LX4LVWVM6XME



Create Class Rewards with Google Slides - Coursera

RNNDEMASGDV6



Introduction to Python - Coursera

F2NTEQU46GML



Introduction to Software Product Management - University of Alberta

PE9BF5SRA29W



Introduction to Git and GitHub - Google

9T3G54J4QPB



Effective Problem-Solving and Decision-Making - University of California, Irvine - The Paul Merage School of Business

SAL788YGVNPZ



Git for Developers Using Github - Coursera

WQTKBKCHQ9WE



Software Processes and Agile Practices - University of Alberta

8LDCTTADLTQC



Agile Software Development - University of Minnesota
KVXEG3STZZKT



Linux for Developers - The Linux Foundation
P4TJM3Q2KY9E



Java (Basic) Certificate - HackerRank
a8087b358c61



The Science of Well-Being - Yale University
QUQHBHUPRS2Z



The Bits and Bytes of Computer Networking - Google
ANFH2WVE3ZV4



Python (Basic) Certificate - HackerRank
db61f6bd3efe



Crash Course on Python - Google
5SNQUJX62R54



Programming Foundations with JavaScript, HTML and CSS - Duke University
DX5PGDYJLDR2



Operating Systems and You: Becoming a Power User - Google
T36LYK92WH6M



System Administration and IT Infrastructure Services - Google
Q3URKRN87B3L



Google IT Support Certificate - Coursera



iERA Dawah Training Course - iERA



New Muslim Mentorship - iERA




Use Canva to Design Digital Course Collateral - Coursera


YPW8HZXVD4W2


 **Troubleshooting and Debugging Techniques** - Google
U3KXWB7TWEBX


 **Configuration Management and the Cloud** - Google
NCCNJPXQS6YT


 **The Blockchain** - University of California, Irvine - The Paul Merage School of Business
8JBDWLHPXCDX


 **Using of Zoom in Facilitating Online Class/ Meeting** - MuktoPaath
MC-P364891R3031435O291W


 **Linkedin** - 10 Minute School
MC-L364891M3031606J190D

 **YouTubeing** - 10 Minute School
MC-D364891A3033216X199G


 **Interview Skills** - 10 Minute School
MC-X364891G3044305J149Z

 **Presentation Skills** - 10 Minute School
MC-D364891F3038332S132R

 **Digital Security Essentials** - a2i
MC-U364891L3036777J106P


 **Interview Skills** - 10 Minute School
MC-X364891G3044305J149Z


 **Foundations of User Experience (UX) Design** - Google
V6QGWGEC8XHX


 **Microsoft PowerPoint Basics** - 10 Minute School
MC-C364891A561749R151R


 **Email Etiquette** - 10 Minute School

MC-C364891A561749R151R

 **Project Management** - 10 Minute School
MC-G364891M3085058Q192T


 **DevOps Fundamentals** - Udemy
UC-3a9db36b-aa16-4422-8888-8fffc83d514f

 **The Ultimate MySQL Crash Course 2021** - Udemy
UC-fa81091e-5c49-4f0b-bcc3-a3cb5c7f7afa


 **Photography Basics** - 10 Minute School
MC-A364891L3099553M184D


 **Foundations: Data, Data, Everywhere** - Google
3KUMRVNMUCPG


 **Public Speaking Fundamentals** - 10 Minute School
MC-I364891N3100359I204D

 **COVID-19 Awareness and Prevention** - BRAC
MC-A364891O3107951J238U

 **Foundations of Project Management** - Google
DAH8BUVHV79T

 **Troubleshooting in Operating System** - a2i
MC-R364891H3122089I121O

 **Troubleshooting in File Processing and Sharing** - a2i
MC-A364891P3126743M119Q

 **Troubleshooting in Internet Connection** - a2i
MC-Q364891W3127506A118Z

 **Machine Learning for All** - University of London
XD8QARZQD28E

 **Troubleshooting in Multimedia Projector** - a2i
MC-N364891B3127509H117W



MS Excel Basics for Beginners - Bohubrihi

102733-163-588-4506



Google Workspace Essential Training - Bohubrihi

102733-163-611-6403



Introduction to Personal Finance - Bohubrihi

102733-163-618-9675



Welcome to the World of Digital Marketing - Bohubrihi

102733-163-635-4299



Bond vs Stock: The Crash Course - Bohubrihi

102733-163-639-1705



Career Planning - 10 Minute School

MC-Y364891U3140041G196A



Project Initiation: Starting a Successful Project - Google

XGHYF8HJ3U6W



Introduction to IoT - Simplilearn

3008427



Startup & Entrepreneurship - 10 Minute School

MC-W364891U3140124F182L



Learn React - Interactive Cares

c07e68489228d225



Introduction to Robotic Process Automation (RPA) - Simplilearn

3013553



Google Analytics - 10 Minute School

MC-D364891S3147771F189B



Introduction to Golang - Basic Concepts - Coursera

P4JG9GC9QQMZ



Ethical Hacking for Beginners - Simplilearn

3036098



Introduction to Project Management with ClickUp - Coursera

4MK7DQJJ379P



Getting Started in Google Analytics - Coursera

Z9VBLN8T8UEU



A Complete Guide to Create necessary graphics without Adobe Photoshop and illustrator - Ghoori Learning

61badc79ce5aa57909



Building Android Widgets from Scratch - Udemy

UC-54e80ecb-29bb-45be-8db8-57f4acba4957



Docker Course for Beginners - Udemy

UC-0f7fb435-9b17-4c1b-b8a8-322d5aceab0c



Coding Fundamentals - Grasshopper Communications



React JS- Complete Guide for Frontend Web Development [2021] - Udemy

UC-aefe120f-84af-40f4-b213-7ee363228659/



Introduction to Cyber Security - Simplilearn

3213248



Business English - 10 Minute School

MC-D364891H3246262I191W



Basics of Artificial Intelligence - 10 Minute School

621634264e6ae



Ask Questions to Make Data-Driven Decisions - Google

556S74NRNUAG



Artificial Intelligence Presentation Creation (2022 Edition) - Udemy

UC-7bb277f7-ec43-4211-a4c8-7477ccdf2746



Python - Kaggle

Project Management: Deliver on Time + Scrum Project Delivery - Udemy

UC-9433c654-eec4-4329-a2ca-e8c67aed4096

Skills

Software Maintenance • GitHub • Generative AI • Literature Reviews • Research Skills • Communication • Library Management • Tailwind CSS • Figma • JavaScript

Honors & Awards

Best Reader Award 2017 - Khilkheth Pathagar

Aug 2017

Suvecca Pathok Award, Boi Pora Kormosuci 2016 - Biswa Sahittor Kendro

Nov 2017

1st Runner Up, Bangla Olympiad, ACC Language Fest-2016 - Adamjee

Cantonment College

Oct 2016

Champion, Science Division(Class 9-10), Creative Talent Hunt-2014, Dhaka

Mohanagar - Ministry of Education

May 2014

Champion, Science Division(Class 9-10), Creative Talent Hunt-2014, Dhaka

Mohanagar Area-1 - Ministry of Education

Apr 2014

Champion, Science Division(Class 9-10), Creative Talent Hunt-2015, Dhaka

Mohanagar Area-1 - Ministry of Education

Mar 2015

1st Runner Up, Quiz, Independence Cup-2019 - IIT Software Engineers' Community

Apr 2019

1st Runner Up, Parliamentary Debate, 1st Intra-Club Debate Fest -2019 - IIT

Debating Club

Mar 2019

1st Runner Up, Event Ambassador at Tech Carnival 1.0 - CUET Computer Club

Sep 2021

2nd Place, Hackathon (DevOps Segment), BUET CSE FEST 2023

Jul 2023