

Rufidatul Radium

Undergraduate Software Engineering student specializing in MERN web development and Machine Learning. Experienced in full stack development, RPA, OCR, and predictive modeling.



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EXPERIENCE

LeadSoft Bangladesh Limited, Dhaka— *Intern*

January 2024 - June 2024

Backend Development in SpringBoot and Implementation of Machine Learning and Image Recognition

Factoryze, Remote— *Part Time Developer*

February 2024 - June 2024

Frontend NextJS developer of Banglar Math

Intelligent Dive, Remote— *Intern*

September 2023 - October 2023

Full Stack MERN Development, specifically frontend-backend Integration, backend development with database

WarCities, Remote— *Contract Developer*

March 2023 - October 2023

Previous website bug fixing

EDUCATION

University of Dhaka, Bangladesh — *Bachelor of Science in Software Engineering*

January 2020 - Present (Approx. December 2024)

PROJECTS

Underwriting Prediction— *AI Based Project* | NiFi, UiPath, Python

Underwriting Prediction is a machine learning and automated tool based project to remove repetitive tasks for users. It predicts how much interest one can claim in an insurance. It can also predict which policies can be implemented on the insuree based on attributes.

SKILLS

Programming Language:
C, Java, Python, JavaScript

Frameworks: NodeJS,
ReactJS, NextJS,
AngularJS, SpringBoot

Database Management:
MongoDB, MySQL, Oracle

Tools: Docker, MinIO,
Github, Postman, NiFi,
UiPath

UI/UX and Diagramming
Tools: Figma, Canva,
Draw.io

AWARDS

Hackathon (OpenAPI)
Finalist, ITVerse 2023

TechTales Finalist,
ITVerse 2023

Competitive
Programming Finalist,
NGPC 2021

Sudoku Champion, 2nd
ISTAARC Science Festival
2018

Math Olympiad
Champion, 2nd ISTAARC
Science Festival 2018

TextExtractor — *AI Based Project* | Python, Dlib, OpenCV, Pytesseract

This is an Image to Text extractor implementation where information like name, father's name, blood group is extracted from an insuree's national Identity Card and automatically fill a form for insurance using UiPath. Implemented OCR for Bangla and English using Pytesseract, OpenCV, and easyOCR. Preprocessed images, recognized sides of cards, and detected faces using Dlib.

Champion, Space Camp
2014

Math Olympiad Winner,
Intra School Science Fair
2013

OptiHire — *AI Based Project* | NodeJS, ReactJS

OptiHire(Optimized Hiring) is a website that aims to modernize the candidate selection process using AI. It quantitatively evaluates and ranks candidates based on various essential criteria, aiding recruiters in making data-driven decisions and optimizing the recruitment process.

Wumpus World — *AI Based Project* | JavaScript, ReactJS

Wumpus World is a treasure hunt single agent AI game that is decided to be won if the artificial intelligence based agent can find the treasure without being eaten by a monster or falling into any pit. This game is based on knowledge based and minimax algorithm

EKunjo — *Web Based Project* | NodeJS, ReactJS, MongoDB, Leaflet, Python

EKunjo is a web based urban agro or farming solution. It can provide necessary description about growing plants and trees, can provide map information and direction of nearby nurseries and lastly, predict disease of a plant by its leaf using OCR.

Mini LinkedIn — *Microservice Project* | NodeJS, ReactJS+Vite, Docker, MongoDB, MinIO

Mini LinkedIn is a web based social media system where people can share posts, see others' posts and get notifications about new posts. The whole system is distributed into microservice.