Roslin Mahmud Joy

Dhaka, Bangladesh

(+880) 1985200855 | roslinmahmudjoy@gmail.com | roslinmahmud | roslinmahmud

"Research Interests: Computer Vision, Deep Learning, Machine Learning"

Experience

Brain Station 23 *Dhaka, Bangladesh*

SOFTWARE ENGINEER | ASSOCIATE SOFTWARE ENGINEER | TRAINEE *Sep. 2020 - Present*

- Building distributed backend services using microservices architecture for a booking platform
- Develop wireless sensor applications for data collection used for monitoring, notification, analysis and status against plan
- Worked on expanding the basic functionality of nopCommerce through designing & developing plugins.

Education

American International University-Bangladesh *Dhaka, Bangladesh*

B.SC. IN COMPUTER SCIENCE AND ENGINEERING. **CGPA: 3.97/4.00** *Jan. 2017 - Jan. 2021*

- **Theisis:** Skin Disease Classification Using Deep Learning Technique

Technical Skills

Programming Languages	C++, Java, C#, Python, TypeScript, SQL, LATEX
Industry Knowledge	Algorithms, Data Structures, Software Development, Machine Learning, Computer Vision
Tools & Technologies	Scikit-learn, Jupyter, Tensorflow, .NET Core, OpenCV, SQL, Pandas, Git

Projects

Personal *Available on Github*

WEB, DESKTOP APPLICATION *Jul. 2018 – Present*

- **KNN classifier** - A Jupyter notebook on classifying cifar-10 dataset, . Matplotlib, Numpy, Scipy.
- **Call Analyzer** - A call log chart & statistics generator for data analysis purposes. Python, Flask, ChartJS.
- **Data Visualizer** - A static data visualization & analysis tool. Python, Flask, ChartJS.
- **Agent Assistant** - Agent banking management system. ASP.NET Core Web API, Angular.

Professional *Available Live*

OSLOFJORDENS FRILUFTSRÅD *July. 2022 – Present*

- Developed authentication service APIs using Auth0 identity provider.
- Developing booking service for Oslofjordens resort
- Built payment service using Nets payment gateway

Professional *Available Live*

IOTIX REALVIEW *July. 2021 – June. 2022*

- Designed & developed several features for the IoT sensor monitoring web platform.
- Optimized several existing API performances by improving the codebase and optimizing database queries
- Built map system for locating IoT sensors based on payload location coordinates using Mapbox API
- Built web notification system for sensors by scheduling alarms based on user-defined logic using SignalR & Hangfire.

Academic *Available on Github*

WEB, DESKTOP APPLICATION *Nov. 2018 – May. 2020*

- **Linear Regression Simulator** - Linear regression simulation GUI built for visualization purposes. Python, Tkinter.
- **Boipoka** - An online book sharing web platform. PHP, JavaScript
- **Collaborator** - A desktop instant messaging/chat software for multiple clients within a LAN. C#, WPF
- **World War** - A 2D shooting game for PC. C++, OpenGL

Awards and Extracurricular Activity

INTERNATIONAL

2018-2020 **Solved around 800,** problems in different Online Judges *Online Judge Profile*

2019   **Ranked 3897th,** Round 1 of Code Jam global online programming contest. *Google*

DOMESTIC

2019   **DEAN'S LIST HONORS,** For successfully earning a GPA of 4.00 during the Fall & Spring 2018-2019 semester. *AIUB, Dhaka*

2018   **2nd Place,** Intra AIUB Programming Contest *AIUB, Dhaka*

2018 - 2020 **Competitive Programmer,** AIUB Competitive Programmers' Community *AIUB, Dhaka*

2018-2020 **Tuition Waiver Scholarship,** For consistent academic excellence from 2018 to 2020 during undergrad *AIUB, Dhaka*