Md. Abir Hasan Munna

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Summary

- Highly skilled Software Engineer and Python Backend Developer
- Proficient in technologies like HTML/CSS/JS/ReactJS/FastAPI/Docker/REST-API/SQL/NoSQL
- Expertise in data science tools: Scikit-Learn, Pandas, TensorFlow, and OpenCV
- Current position: Software Engineer at Beacon Pharmaceuticals Limited
- Co-Founder and CEO of A.I.T GreeNEX, a startup promoting sustainable waste management through smartBin, an IoT product
- President of BUP Robotics Club
- Holds a BSc in Information and Communication Engineering from Bangladesh University of Professionals (BUP)
- Published research on static-gesture word recognition in Bangla sign language using convolutional neural networks
- Received prestigious awards for outstanding performance in hackathons and competitions:
1. Champion - Awarded by Ektukhani Robotics (May 2021)
2. Runners Up - NASA SPACE APPS CHALLENGE 2020 organized by BASIS (Oct 2020)
3. Winner - National Hackathon on Frontier Technologies by iDEA Project (Nov 2019)
4. Best Paper Award - Awarded by IRAJ (Mar 2019

Experience

Software Engineer

Beacon Pharmaceuticals PLC

Jun 2023 - Present (5 months)
➔ Developing the backend of the company's applications using FastAPI.
➔ Working on IoT projects to connect factory machines, various sensors and make production more efficient.
➔ Leveragin AI/ML and computer vision to help the company grow and stay ahead of the competition.

Co-Founder and CEO

A.I.T GreeNEX

Oct 2020 - Present (3 years 1 month)
➔ Led a team of 25+ developers to develop and deploy smartBin, an innovative IoT product promoting sustainable waste management in GreenBD.
➔ Leveraged expertise in IoT, Python, and data science to drive the development of cutting-edge solutions for real-world challenges.
➔ Fostered a culture of innovation and collaboration, supporting individual growth while driving organizational success.

President
BUP Robotics Club

May 2021 - May 2022 (1 year 1 month)

Some notable events I organized and conducted are-
➔ Workshop on Beginners Way to the World of Robotics 6th Aug- 15th Aug 2020 (as an instructor)
➔ World Arduino day on 27-28th March 2021
➔ Member training (Python, ML) from 8th August to 5th September 2021
➔ Hosted a Webinar where Zulkarnine Mahmud, Software Engineer, Google, was invited as a speaker on 12th October 2021
➔ Arranged a get-together party on 6th November 2021, where all the alumni of BUPRC were invited
➔ Arranged a two-day-long workshop for the beginners on the path of robotics held on 18-19th February 2022.

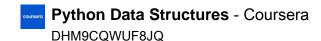### Socian AI Ambassador
Socian AI

May 2021 - Apr 2022 (1 year)
➔ NLP Training
➔ NLP Implementation Training
➔ Business products training and showcase

Education

Bangladesh University of Professionals (BUP)
BSc in Information and communication Engineering, Information Technology
2018 - 2021

Licenses & Certifications

Python Data Structures - Coursera
DHM9CQWUF8JQ

Programming for Everybody (Getting Started with Python) - Coursera
XYWQKCK59EF6

Create a Superhero Name Generator with TensorFlow - Coursera
MH5J66S95PZL

Docker Essentials: A Developer Introduction - IBM
b7e9d4b8ecbe4a9a810e78a18ef3e4e3

Skills

Docker • Docker Swarm • Play with docker • Python (Programming Language) • TensorFlow • Machine Learning • Artificial Intelligence (AI) • Data Science • Scikit-Learn • FastAPI

Honors & Awards

Winner - National Hackathon on Frontier Technologies by iDEA Project
Nov 2019

Runners Up - NASA SPACE APPS CHALLENGE 2020 organized by BASIS
Oct 2020

Best Paper Award - IRAJ
Mar 2019

Champion - Ektukhani Robotics
May 2021