

# Saieef Sarower Sunny

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## Personal Profile

An M.Sc. in Artificial Intelligence student at the University of East London with over two years of experience in software engineering, specializing in full-stack web development, algorithms, and machine learning. Passionate about leveraging AI to solve real-world problems and drive innovation. Proficient in Python, data analysis, and building end-to-end solutions. Actively seeking opportunities in Machine Learning, Data Engineering, and Python Development roles to apply technical expertise and contribute to impactful projects.

## Skills

<b>Programming Languages</b>	Python, Java, C++, C#, JavaScript, SQL
<b>Web Technologies</b>	HTML, CSS, Bootstrap, React, Node.js
<b>Database Systems</b>	MySQL, PostgreSQL, MongoDB
<b>Data Science &amp; Machine Learning</b>	TensorFlow, Keras, Scikit-Learn, Pandas, NumPy, PyTorch
<b>Cloud Technologies</b>	Amazon Web Services (AWS), Azure
<b>DevOps &amp; Version Control</b>	Git, GitHub, Hugging Face
<b>Specialized Area</b>	Machine Learning, Computer Vision, NLP, Bioinformatics
<b>Mathematical &amp; Statistical Tools</b>	MATLAB, SciPy, Excel
<b>Data Labeling &amp; Annotation Tools</b>	Superannotate, CVAT, LabelImg, Supervisely, Encord, SuperbAI
<b>Other Tools &amp; Technologies</b>	Jira, Trello, Slack, Jupyter Notebook, Visual Studio Code, LaTeX, Adobe
<b>Research Skills</b>	Data Collection, Literature Review, Experimental Design, Statistical Analysis, Scientific Writing

## Work Experience

### SuperAnnotate

Remote, USA

Data Engineer

February 2024 - Present

- Trained machine learning models using diverse LLM datasets, delivering high-quality labeled data for AI model development.
- Streamlined model evaluation, reducing error rates by 20% and enhancing overall model performance by 8%.
- Promoted to focus on quality control, ensuring the accuracy and consistency of labeled data across 5+ large-scale projects, including Code Interpreter, JSON/XML Data Extractor, Generative Commercial Product, Poem and Story Generation.

### Quantigo AI

Remote, USA

Data Quality Assessment (Contract)

September 2023 - December 2023

- Executed data annotations for Bounding Box, Polygon, and Segmentation tasks, achieving a 98% accuracy rate in labeling for AI model training.
- Improved model accuracy by optimizing data preparation techniques, enhancing data processing efficiency by 30%.
- Mastered diverse annotation tools like Superb.ly and Roboflow, contributing to successful model deployments.

### University of Liberal Arts Bangladesh (ULAB)

Dhaka, Bangladesh

Machine Learning Research Assistant

January 2024 - July 2024

- Developed a sentiment analysis system for Bangla product reviews by scraping and analyzing 12,000+ data points from multiple websites.
- Collected and curated a dataset of over 27,000 fish images from local markets to train a fish species classification model.
- Coordinated research teams on deep learning-based plant disease classification, supporting precision agriculture.

### M360 ICT Venture Ltd.

Dhaka, Bangladesh

Junior Software Engineer

August 2023 - December 2023

- Directed AI technology integration to enhance software functionality, improving system performance by 20%.
- Collaborated with Sabre Bangladesh, applying training insights to achieve project milestones 15% faster.
- Contributed to the development of the Trabil OTA platform, meeting project timelines and increasing user engagement by 10%.

### South Asian Builders & Technologies Ltd.

Dhaka, Bangladesh

Junior Software Developer

January 2023 - July 2023

- Implemented a user-friendly company website, increasing web traffic by 30% and boosting brand visibility.
- Created social media posters and banners, leading to a 40% increase in social media engagement.
- Developed 3D architectural renderings using Autodesk 3DS, improving client presentations and marketing materials, enhancing client presentations by 30%.

### Department of Computer Science, University of Liberal Arts Bangladesh

Dhaka, Bangladesh

Teaching Assistant

February 2022 - October 2022

- Led classes in the absence of the professor, ensuring an engaging learning environment for 40+ students.
- Coordinated curriculum development based on UGC guidelines, contributing valuable insights into course structure.
- Assisted students in Algorithms, Machine Learning, Web Technologies, and Digital Logic Design, improving student outcomes by 15%.

# Education

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## University of East London

London, UK

MSc in Artificial Intelligence

Sept 2024 - Ongoing

- **Courses:** Machine Learning, Deep Learning, Natural Language Processing, Computer Vision, AI Ethics, and Advanced Algorithms

## University of Liberal Arts Bangladesh

Dhaka, Bangladesh

B.Sc. in Computer Science and Engineering

Jan 2019 - Nov 2022

- CGPA of 3.65/4.00 (91.25%). Published 5+ research papers on AI and NLP.
- **Courses:** Machine Learning, Data Structures, Algorithms, Software Engineering, Database Systems, and Operating Systems

# Selected Projects

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## Flash Flood Survivor Detection from Aerial Footage in Bangladesh

Personal Project

Dec 2024 - Feb 2025

- Created a deep learning-based model to detect survivors from aerial footage, increasing detection accuracy to 92%.
- Built an interactive Streamlit dashboard to visualize real-time results, aiding in effective rescue planning.
- **Technical Skills:** Python, TensorFlow, YOLOv11, OpenCV, Streamlit.

## Fish Species Classification in Bangladeshi Fish Markets

Research Project

Nov 2024 - Jan 2024

- Developed a machine learning model to classify fish species, achieving 97% classification accuracy.
- Promoted sustainable fishing practices by providing instant species identification to 200+ fish vendors and customers.
- **Technical Skills:** Streamlit, Python, TensorFlow, NumPy, Pandas.

## Multiclass Multilabel Cyberbully Detection from Bangla Social Media Comments

Research Project

May 2024 - Oct 2024

- Implemented a system to classify Bangla social media comments, improving safety by detecting bullying with 96% accuracy.
- Achieved 98.02% accuracy in detection and categorized over 17,000 social media comments.
- **Technical Skills:** Streamlit, Python, TensorFlow, NumPy, Pandas.

## Heart, Liver, Kidney Disease, and Diabetes Prediction using Ensemble Learning

Research Project

April 2023 - May 2023

- Developed an ensemble-based model for predicting diseases with high accuracy: 96% for heart, 99.9% for liver, 99% for kidney, and 98.6% for diabetes.
- Reduced false predictions by 15% through model optimization.
- **Technical Skills:** Streamlit, Python, TensorFlow, NumPy, Pandas.

## Trabil: An OTA System using Sabre API

M360 ICT

Aug 2023 - Dec 2023

- Optimized backend systems using Flask, React, and Redis for a 15% improvement in response time.
- Integrated the Sabre API to provide real-time booking services, leading to a 20% increase in bookings.
- **Technical Skills:** Flask, React, RESTful API, Redis.

## GenImage: An OpenAI Image Generation App using MERN Architecture

Personal Project

Feb 2023 - Mar 2023

- Built an AI-driven image generation platform utilizing OpenAI's GPT-3 text-to-image model.
- Integrated cutting-edge tools like React, MongoDB, Express, and Cloudinary for seamless performance and user experience.
- **Technical Skills:** React, MongoDB, Node.js, Express, Cloudinary.

## ChatAI: A Chatbot using OpenAI GPT-3.5 API

Personal Project

Jan 2023 - Feb 2023

- Developed an intelligent chatbot using OpenAI's GPT-3.5 API, enabling seamless user interactions across devices.
- Built a web-based platform with Vite.js, Node.js, and Cloudinary for a responsive user experience.
- **Technical Skills:** React, Node.js, Cloudinary, OpenAI GPT-3.5.

## EveCode: A Learning Management System with Built-in Compiler and File Management

Bachelor's Graduation Project

Jan 2022 - Nov 2022

- Designed a comprehensive Learning Management System with an in-built compiler, reducing course feedback time by 40%.
- Implemented real-time coding courses with feedback for individuals and academic organizations.
- **Technical Skills:** Laravel, PHP, Bootstrap, MySQL.

# Languages

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**English** Professional proficiency

**Bengali** Native proficiency