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Top Skills

Vector Databases

Research

Problem Solving

Languages

English (Full Professional)

Bengali (Native or Bilingual)

Certifications

IBM Data Science Professional
Certificate

Generative AI with Large Language
Models

IBM AI Engineering Professional
Certificate

IBM Data Analyst Professional
Certificate

Advanced Data Science with IBM
Specialization

Honors-Awards

[Top 10th Position] Winner Award
at Inter University Cyber Security
Contest 2021

Merit Scholarships

[Top 21st Position] Winner at Store
Sales - Time Series Forecasting by
Kaggle

[Top 25th Position] Winner at Digit
Recognizer by Kaggle

[Top 814th Position] Winner at ICR
- Identifying Age-Related Conditions
by Kaggle

Md. Anas Mondol

Software Engineer | AI/ML Engineer | Python Developer
Dhaka, Bangladesh

Summary

Hi there! I'm Md. Anas Mondol, a dynamic and results-driven
Software Engineer at Samsung Research, is dedicated to crafting
cutting-edge AI solutions that impact billions of users worldwide.
At Samsung Research, Bangladesh (SRBD), I collaborate with top
minds to develop intelligent systems that learn, reason, and make
human-like decisions, leveraging the latest advancements in AI.

I feel proud to hold the title of Certified Professional Full Stack
Software Developer, AI Engineer, Data Scientist, and Data Analyst
from IBM, as well as being a Specialized Data Scientist on the AWS
Cloud from AWS and DeepLearning.AI. But my learning journey
doesn't stop there! I'm currently immersing myself in AI research and
staying ahead of the curve in this rapidly evolving field.

I believe that true innovation in AI goes beyond algorithms it
requires strategic thinking, interdisciplinary collaboration, and a
problem-solving mindset. Whether it's tackling large-scale datasets,
optimizing AI models for real-world deployment, or exploring the
ethical implications of AI, I thrive on solving challenges that shape
the future of technology.

But it's not just about the technical skills - I'm also a passionate
learner and an enthusiastic team player. I actively contribute to the
data science and AI community, participating in online competitions,
and continuously expanding my knowledge to stay at the forefront of
the latest advancements in AI.

As I embark on the next phase of my career journey, I'm eager to
make a significant impact as a Software Engineer or AI/ML Engineer,
or Python Developer at a multinational company. I'm confident
that my entire expertise combined with my dedication, drive, and
commitment to excellence, will make me a valuable asset to your
team.

If you're looking to leverage AI to drive innovation and unlock new possibilities, let's connect and explore how my skills and vision can contribute to your success.

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Experience

Samsung Electronics
Software Engineer
April 2025 - October 2025 (7 months)
Dhaka, Bangladesh

I've joined Samsung Research, Bangladesh (SRBD). This role focuses on AI and Software Development.

• Developed and deployed a lightweight, modular question-answering system using LLMs and RAG, optimized for on-device inference on Samsung Galaxy smartwatches, achieving 83% accuracy via custom retrieval strategies, prompt tuning, and efficient post-processing, backed by a Flask-based microservice architecture. Enhanced the system to be 10x faster and automated for daily user interactions, making watches significantly smarter and more responsive than the current generation.

• Engineered a cross-platform application system supporting macOS, Linux, and Windows, streamlining repository workflows with native support for CI/CD tasks, issue management, and automated pull request handling. Designed the system for extensibility and performance, integrating GitHub API, local Git hooks, and customizable CLI/GUI interfaces to save huge time during product release and boost developer productivity across diverse environments.

Google
Explore ML Facilitator
October 2020 - June 2024 (3 years 9 months)
Bengaluru, Karnataka, India

I have been selected from thousands of applications and went through several rounds of screening by the Google review committee as an Explore ML Facilitator with Crowdsource at Google.

• Selected in the top 1% of candidates globally, underwent rigorous AI and ML training led by Google ML engineers, and enhanced proficiency in the field.

• Driven ML innovation and adoption through cross-functional teams, bridging academia and Google to deploy high-impact models achieving business objectives.
• Collaborate with product and engineering teams to integrate & develop ML technologies into Google products, resulting in improved user experiences.
• Successfully developed and managed a dynamic ML community, fostering collaboration, knowledge sharing, and continuous learning among 5700+ university students and members.
• Effectively communicated complex ML concepts to diverse audiences while leading 12+ cutting-edge AI, NLP, and ML projects, deploying Django, REST API, Flask, and FastAPI to deliver high-quality, on-time, and budget-conscious solutions.

Skills: . Machine Learning . Artificial Intelligence . Natural language processing . Facilitate . Problem Solving . Python . Google AI . Leadership . Presentation . Accelerate and Promote Google AI

Bartr
Artificial Intelligence Engineer
September 2023 - December 2023 (4 months)
Pune, Maharashtra, India

• Best AI Engineer Award recipient for elevating the accuracy of large and custom image datasets from 56% to 100% by implementing hybrid architecture with CNNs and LSTM in developing Facial Expression Recognition for Django-based AI systems.
• Spearheaded AI and ML algorithms research, design, and implementation, amplifying project efficacy with cutting-edge solutions.
• Promoted impactful discourse in team settings, enhancing decision-making and AI expertise through mentorship for real-world applications.

Skills: . Artificial Intelligence (AI) . Data Science . Computer Vision . Machine Learning . Applied Research and Innovation . Financial Fraud Detection . Facilitate

City University Bangladesh
Research Engineer
June 2023 - September 2023 (4 months)
Dhaka, Bangladesh

• Achieved 1st position at the university's annual research exhibition with 92-94% accuracy in cyberbullying text detection using multiclass ML and GPT-3.5 classification techniques, deployed in Flask web application.
• Proficiently gathered and analyzed diverse social media data to discern cyberbullying trends while categorizing content by demographics for comprehensive analysis, employing robust NLP techniques.
• Demonstrated exceptional ML skills, achieving 94%, 93%, 92%, 92%, 93%, 94%, and 94% accuracy with the RF, SVM, LR, DT, Bi-LSTM, BERT, and GPT-3.5 models, and while innovating keyword-based strategies for enhanced cyberbullying detection.

Skills: . Cyberbullying Detection . Natural Language Processing . Text Classification . Artificial Intelligence . Machine Learning . Data Science . Social Media . Text Analysis & Visualization

Omdena
Artificial Intelligence Engineer
February 2023 - September 2023 (8 months)
New York, NY

I have completed 10+ cutting-edge AI projects from Omdena which are the following:-

• Developed the HR interview preparation chatbot with Streamlit, powered by RAG, LLM, and OpenAI APIs, redefining candidate readiness through comprehensive skill evaluation in behavior, communication, empathy, leadership, and problem-solving.
• Developed an advanced NLP-powered text summarization Flask application leveraging fine-tuned RAG, LLM, and OpenAI APIs, delivering automated and precise summaries, and validated through benchmarking for 75% performance and 56% user satisfaction.
• Developed an innovative AI-based road inspection system leveraging the Yolov8 pre-trained model, enabling timely detection of road anomalies with a remarkable 97% accuracy, and deployed a user-friendly Streamlit application for seamless user integration.
• Developed Bangladesh's real estate experience with a cutting-edge hybrid NLP recommendation system, achieving 93% accuracy and exceptional user engagement and satisfaction, with fine-tuned through A/B testing and showcased seamlessly deployed using Flask.
• Built an AI-driven Fake News Detection system with Django, Django REST API, DL, and NLP, and leveraging web scraping for diverse data collection,

developed and optimized models to achieve 99% accuracy, 100% precision, 99% recall, and 99% F1-score.

• Developed an AI-driven Computer Vision healthcare system with Django and REST API, achieving 100% accuracy, 97% precision, 98% recall, and 99% F1-score on large-scale CT scan data for early detection of COVID-19, Pneumonia, Tuberculosis, and Lung Cancer.

Skills: . AI . DS . DL . NLP . GenAI . LLMs . RAG . ML . RecSys . CV . Chatbot

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Education

City University (BD)
Bachelor of Science, Computer Science and Engineering · (November 2019 - November 2023)