MOSTAFIZUR RAHMAN

CSE Student

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PROJECTS

Entity Relationship Extraction from Natural Text

Assam Don Bsoco University

🗓 Jan 2024 – Jun 2024

- Developed a robust NLP system for identifying and classifying relationships between entities in unstructured text.
- Utilized BERT-Uncased model and UniRel Framework for precise entity-relationship extraction.
- Achieved high performance metrics with 87% precision in entity-relationship extraction through rigorous training and validation.
- Designed a comprehensive API ecosystem with endpoints for user authentication, text prediction, and retrieval of past predictions.
- Customized BERT parameters and employed advanced training techniques, including cosine decay learning rate and additional dropout layers.

CrowdWatch AI

Assam Don Bosco University

🗓 Aug 2023 - Dec 2023

- **Developed** CrowdWatch AI, an AI-driven system for automated security and crowd control in urban environments.
- **Implemented** real-time object detection using YOLOv4 Tiny for accurate person tracking.
- **Applied** Joint Discriminative and Generative Learning for precise person re-identification, generating comprehensive visitor logs.
- **Designed** an intelligent dashboard for real-time crowd monitoring and visitor pattern analysis.
- **Integrated** modular components (camera, detection, APIs, apps) with a Django-based backend for seamless functionality.

Grievance Management System

Assam Power Distribution Company Limited (APDCL)

🗓 July 2023 - July 2023

- Developed a Django/Angular-based internal grievance management system for efficient complaint handling across departments.
- Implemented dynamic office management and automated load distribution of grievances among staff based on availability and expertise.
- Designed role-specific dashboards for staff at different positions and integrated auto-allocation of grievances based on their type to optimize resolution workflows.

MY LIFE PHILOSOPHY

"I am passionate about using technology to solve real-world problems and am always looking for opportunities to learn and grow."

EDUCATION

BTech CSE

Assam Don Bosco University

⚲ Guwahati, Assam

2025 Graduating Batch
Current CGPA: 8.24

Class 12

Jnv Rangia

🗓 2021, 82.6 % in CBSE Board

Class 10

Jnv Rangia

🗓 2019, 73 % in CBSE Board

MOST PROUD OF

🏆 **Winner of the National Level Short Video Competition on NEP 2020**
"NEP Ki Samajh" held from 15 June to 14th July 2023 by Ministry of Education.

🏆 **Third Prize in a Coding Competition at Assam University**
Led and coordinated IEEE Student Branch activities, fostering collaboration and innovation among peers at Assam Don Bosco University.
🗓 Feb 2022

VOLUNTEERING

Chairperson IEEE Stduent Branch

Assam Don Bosco University

🗓 July 2024 – Present

EXPERIENCE

Intern
DevSkillHub Trainig & Consultancy

📅 July 2024 – Aug 2024   📍 Remote

- Frontend Web Developer

Intern
APDCL

📅 July 2023 – July 2023   📍 Hybrid Guwahati

- Internal grievance management system
- Technologies used: Django, Angular

CERTIFICATION

Salesforce Launchpad Program
PwC Acceleration Center

📅 Jan 2024 – Jul 2024

Google IT Automation with Python Professional Certificate
Google, Coursera

📅 May 2024 – Jul 2024

Google Cybersecurity Professional Certificate
Google, Coursera

📅 Feb 2024 – July 2024

Programming in Python
SWAYAM, CEC

📅 Feb 2024 – May 2024

The Joy of Computing using Python
NPTEL, IIT Madras

📅 Jan 2023 – Apr 2023

Microsoft Philanthropies' "CyberShikshaa for Educators"
Microsoft

📅 Feb 2023 – Feb 2023

Python for Data Science
NPTEL, IIT Madras

📅 Jul 2022 – Aug 2022

STRENGTHS

Hard-working   Problem-Solving Skills
Continuous Learner   Motivator & Leader

TECHNICAL TOOLKIT

C   Python   Java   Open Source
Android Development   Virtual Machines
SQL   Version Control (Git & Github)
MS- Office Suite   Web Development
Computer Network   Database

LANGUAGES

English   Hindi
Assamese   Bengali

INTERESTS

Cyber Security   Data Science
Salesforce   Computer Vision
Machine Learning

REFEREES

Dr. Bobby Sharma
@ Assam Don Bosco University
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Dr. Alexy Bhowmick
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