

Israk Ahmed

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SUMMARY

Software Engineer with expertise in full-stack web development, Android applications, and AI-powered systems. Proficient in Python, PHP, Java and REST API development, with a passion for solving complex problems and delivering efficient, scalable solutions.

EXPERIENCE

Atmotech IT & Software Firm

Jr. Software Engineer

Bogura, Bangladesh

Dec 2024 – Present

- Developed responsive and dynamic web applications using PHP, MySQL, HTML, CSS, and JavaScript.
- Built and maintained Android applications using Java and XML.
- Designed, developed, and tested RESTful CRUD APIs for backend services.
- Collaborated with senior developers to deliver scalable solutions.

PROJECTS

Sentinel

GitHub

AI-powered surveillance system for detecting abnormal activities (e.g., fights, fire, accidents) in live CCTV feeds. Developed with PyQt5 and OpenCV. Achieved 83% accuracy (binary) and 81.25% (multi-class) on a 42-minute custom video dataset.

Real-Time Bangla Sign Language Interpreter

GitHub

Real-time BdSL gesture recognition using deep learning. Trained on 11,774 images and tested on 2,940; achieved 98.03% test accuracy.

LanCon

GitHub

Android-based LAN messaging and file-sharing app for offline communication over local Wi-Fi. Built using Java and XML.

EDUCATION

TMSS Engineering College

Affiliated with University of Rajshahi

B.Sc. in Computer Science and Engineering; CGPA: 3.30 / 4.00

Bogura, Bangladesh

Session: 2019 – 2020

PROGRAMMING SKILLS

Languages: C, C++, Java, Python, PHP, JavaScript

Technologies: Android (Java/XML), PyQt5, REST APIs, Laravel, Node.js, Express.js, MySQL, MongoDB, Git, Docker

Machine Learning & AI:

- Tools: scikit-learn, TensorFlow, Keras, Pandas, OpenCV
- Experience: Data preprocessing, transfer learning, fine-tuning deep learning models, evaluating model performance

CERTIFICATIONS

Google Project Management: Specialization Credential ID: D6UOPN7VYQWQ	Oct 2024
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Software Engineer (HackerRank) Credential ID: 51b35f10640d	Sep 2024
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Software Engineer Intern (HackerRank) Credential ID: 56519E75DEA2	Jun 2024
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SQL (Basic) (HackerRank) Credential ID: 05d478e6f14c	Dec 2023
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Problem Solving (Basic) (HackerRank) Credential ID: BA0BA73C5D61	Nov 2023
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Introduction to Object-Oriented Programming with Java (Coursera) Credential ID: 7SURR2M3FW9Y	May 2022
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COMPETITIVE PROGRAMMING

ICPC 2022 Asia Dhaka Regional Contest

ICPC 2023 Asia Dhaka Regional Contest

ICPC 2024 Asia Dhaka Regional Contest

IUT Inter-University Programming Contest (IUPC) 2024

LEADERSHIP EXPERIENCE

President, TEC Programming & Robotics Club <i>TMSS Engineering College</i> Organized programming contests, conducted workshops, and managed club activities.	Aug 2022 – Aug 2023
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