

TANVIR SHAKIL JOY

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[in LinkedIn](#) [◇ GitHub](#)

SUMMARY

Computer Science and Engineering graduate with strong foundation in competitive programming, problem-solving, computational thinking, and AI research. Skilled in Python, Django, TensorFlow, PyTorch, HTML, CSS. Seeking an entry-level software engineering role to utilize my skills and contribute to innovative team projects

EDUCATION

Bachelor of Science in Computer Science and Engineering

Rajshahi University of Engineering & Technology (RUET)

29 June 2025

CGPA: 3.36

TECHNICAL SKILLS

Programming Languages

Python, C++, C, Java, SQL, HTML, CSS

Frameworks & Tools

Django, REST Framework, Tkinter, TensorFlow, PyTorch, LLM, GitHub

Concepts

Object-Oriented Design, MVC Architecture, Data Structures, Algorithms

COMPETITIVE PROGRAMMING

Achievements: Codeforces (597 problems, Peak: 1235 – Pupil) [\[Profile\]](#)

LeetCode (154 problems, Rating: 1454, Top 60.97%) [\[Profile\]](#)

HackerRank (Silver Badge – 4-Star) [\[Profile\]](#)

Contest Highlights: Top 400 – SRBD Code Contest 2024

Top 3000 – Google Kickstart 2022 (Round C)

Ranked 2192 globally in Codeforces Round 861 (Div. 2)

PROJECTS

Rajshahi Silk Products Management Web Application

[GitHub](#)

- Comprehensive Django-based system for silk product inventory with CRUD, REST API, and role-based access
- Features advanced search, email notifications, JWT authentication, and responsive UI
- **Technologies:** Python 3.13, Django 5.2.4, SQLite3, Django REST Framework, HTML5, CSS3

Automated Diabetic Retinopathy Detection System

[GitHub](#)

- Real-time analysis of fundus images for binary and multi-class DR detection using ensemble CNNs with CBAM
- Deployed via an intuitive Django web app offering detailed DR severity classification
- **Technologies:** Django, TensorFlow, OpenCV, HTML, CSS

PUBLICATIONS

Attention Trinity Net and DenseNet Fusion: Revolutionizing American Sign Language Recognition for Inclusive Communication

2023 26th International Conference on Computer and Information Technology (ICCIT)

REFERENCE

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