

Oishik Biswas

Software Engineer — Full Stack Developer

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🌐 Portfolio — [in LinkedIn](#) — [GitHub](#) — [Linktree](#)

Education

Kalinga Institute of Industrial Technology (KIIT)

Expected Aug 2027

B.Tech in Computer Science — CGPA: 9.23/10

- GATE qualified in 3rd year; solved 200+ problems on LeetCode
- Relevant Coursework: Data Structures & Algorithms, Operating Systems, DBMS, Theory of Computation, OOP, Computer Architecture, Computer Networks, Software Engineering, Artificial Intelligence, Machine Learning

Technical Skills

Languages: Java, Rust, JavaScript, TypeScript, Python, C, SQL, Bash

Technologies: Next.js, Node.js, Express.js, MongoDB, Docker, Socket.io, WebRTC, Tailwind CSS, JWT, OAuth

Core CS: Data Structures, Algorithms, DBMS, Operating Systems, Compiler Design, System Design

Experience

AICTE Cisco Virtual Internship & Training

May 2026 – Present

Cybersecurity / Networking Intern

- Learning CCNA modules, Python, Data Analytics, and Data Mining through Cisco-AICTE virtual internship

ICDCIT Hackathon

Jan 2025

Backend Developer / Project Manager

- Developed healthcare workforce scheduling backend and PDF summarization system using Node.js, MongoDB, and Python
- Ranked in Top 10 among 160 teams

Smart India Hackathon (SIH)

Oct 2024

Full Stack Developer / Project Manager

- Designed an online OPD booking platform using MERN stack for streamlined appointment scheduling
- Led a team of 6 and secured Top 50 position among 700+ teams at college level

Projects

Mid Valyrian – Rust-Based Programming Language Interpreter

[Live](#) — [GitHub](#)

- Built custom programming language interpreter with parser, AST, execution engine, and CLI
- Implemented syntax analysis and execution using Rust and Pest
- Tools Used: Rust, Pest

GitHub Repository Summarizer

[Live](#) — [GitHub](#)

- Developed repository summarization platform for analyzing GitHub projects and extracting technical insights
- Integrated GitHub APIs with modern web interface for repository understanding
- Tools Used: Next.js, Node.js, MongoDB

Deep Learning Based Intrusion Detection System – 6th Sem Mini Project

[GitHub](#)

- Developed machine learning-based Network Intrusion Detection System (NIDS) using 2D CNN with OpenMax open-set recognition for real-time cyberattack detection and classification from PCAP traffic captures
- Built scalable microservices architecture integrating CICFlowMeter, preprocessing, model inference, and decision engine with full-stack dashboard for automated threat analysis
- Achieved 93.82% detection accuracy on CICIDS2017 dataset across multiple attack classes including DoS, Brute Force, PortScan, Botnet, and Web Attacks
- Tools Used: React, FastAPI, TensorFlow/Keras, scikit-learn, Docker, CICFlowMeter, Tailwind CSS

Achievements

- GATE qualified during 3rd year of undergraduate study
- Solved 200+ algorithmic problems on LeetCode
- Top 50 / 700+ teams in Smart India Hackathon
- Top 10 / 160 teams in ICDCIT Hackathon