

Jahid Hasan

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[Portfolio/GitHub/LinkedIn]

🎓 Education

Khulna University of Engineering & Technology (KUET) — BSc in Computer Science & Engineering

Expected Graduation: 2027

- Relevant Coursework: Data Structures & Algorithms, Operating Systems, Numerical Methods, Software Engineering, Digital Electronics
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💻 Technical Skills

- **Languages:** Java, C/C++, Python, JavaScript, HTML, CSS
 - **Frameworks & Tools:** JavaFX, Android Studio, ASP.NET, Git/GitHub, IntelliJ IDEA, NetBeans
 - **Specialized Knowledge:** Numerical Methods, Algorithm Design, Digital Electronics, Database Systems
 - **Other:** Problem Solving, UI/UX Design Basics, Mobile App Development
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🚀 Projects & Experience

Courier Service System — *Java Desktop Application*

- Built with **Java, IntelliJ IDEA, and Scene Builder**.
- Features: Package tracking, order management, delivery logistics.
- Designed interactive UI and integrated backend database.

YOLOv8 Face Recognition System

- Trained and tested YOLOv8 for **face detection and recognition**.
- Organized dataset and implemented custom preprocessing with OpenCV.

- Used **Facenet512 embeddings** for recognition accuracy.

Portfolio Website

- Developed a **personal portfolio website** with **HTML, CSS, JS, and ASP.NET**.
- Sections include About, Education, Technical Skills, Projects, and Contact.

Android Login & Registration System (Firebase Authentication)

- Designed and implemented a secure **user authentication system**.
 - Integrated Firebase for **real-time data handling**.
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Laboratory Work & Reports

- Algorithm Analysis: Kruskal's MST, Dynamic Programming (Knapsack), All-Pairs Shortest Path
 - Numerical Methods: LU Decomposition, Gauss Elimination, Runge-Kutta ODE Solver, Numerical Integration
 - Advanced Programming: OOP in Java, Multithreading, File Handling, JavaFX, Android Development
 - Digital Electronics: Adders & Subtractors, Flip-Flops, Counters, Shift Registers, OP-AMP Applications
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Achievements & Activities

- Solved [500+] programming problems on Codeforces.
- Participated in university coding contests and lab projects.
- Actively exploring **AI, IoT, and Drone Systems** for research and development.