

RITAM JASH

Burdwan, West Bengal

☎ [+91 6296683240](tel:+916296683240) ✉ ritamjash8@gmail.com [in LinkedIn](#) [GitHub](#)

EDUCATION

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY

2021 – 2024

B.Tech in Electronics and Communication Engineering

CGPA: 8.03

RELEVANT COURSEWORK / SKILLS

- Backend Development
- Managing Databases
- Python Developer
- Software Developer

PROJECTS

CGPA to Percentage Converter [↗](#) | Python, Flask, HTML, CSS

2024

- Built scalable web application reducing conversion time from minutes to seconds with 99% accuracy
- Implemented RESTful APIs and caching system reducing response time by 60%
- Developed user-friendly interface with robust error handling and input validation

Lease Document Abstractor [↗](#) | Python, Flask, MySQL, HTML, CSS, PyPDF2

2024

- Created full-stack system reducing document processing time from 30 to 2 minutes
- Implemented secure database operations with complete data encryption
- Built responsive dashboard showing real-time extraction metrics with 98% accuracy

4 WAY Automation Traffic System [↗](#) | Arduino UNO, C++, Hardware Components

2023

- Developed IoT traffic system reducing average wait time by 45%
- Integrated sensors and ML algorithms improving prediction accuracy by 75%
- Implemented energy-efficient signal timing reducing power usage by 30%

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, MySQL

Technologies/Frameworks: Flask, HTML5, CSS3, pyPDF2

Developer Tools: VS Code, PyCharm, replit, GitHub, Git Bash

Additional Skills: Debugging, Automation, API Integration,

CERTIFICATIONS

- CS50's Introduction to Programming with Python - **Harvard University**
- SQL and Relational Databases 101 - **Cognitive Class**
- Machine learning basic with Python - **Cursa**
- Computer System Security by MIT - **Cursa**

EXTRACURRICULAR

Tree Plantation Yatra-III - Team Leader

January 10, 2024 – January 31, 2024

- Led 25-member team, planted 400+ trees with 85% survival rate

Budbud, West Bengal

- Created digital records helping survive through proper monitoring

State Blood Transfusion Council

April 26, 2024

- Organized blood donation camp collecting 100+ units

Purba Bardhaman

- Developed digital donor database improving tracking efficiency by 50%