

# SHEKH HUMAIRA SUNZIDA

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[Github](#) | [LinkedIn](#) | [ResearchGate](#)

## SUMMARY

Highly Motivated & dedicated graduate, demonstrates a deep understanding of computer IT fundamentals, software development, with a proven ability to communicate complex concepts in an accessible & engaging manner. Experienced in tutoring peers, leading study groups, and delivering presentations. Committed to developing cooperative learning environment that promotes student development & enthusiasm for technology. Eager to contribute to curriculum development & academic research.

## EDUCATION

### Comilla University, Bangladesh

Bachelor's Degree in Information & Communication Technology (2019 – 2024)


## SKILLS

- **Languages :**  
C, C++, R, HTML, CSS, Javascript, Java, Python, SQL, Typescript, PHP.
- **Familiar with:**  
Matlab, Jupyter Notebook, Xampp, SQLite, Visual Studio Code, Notion, Android Studio, Adobe Illustrator, Adobe Photoshop, WordPress, Microsoft Office.
- Research & team management skills
- Problem-solving & Communication skills


## CERTIFICATIONS

- Supervised Machine Learning Certification
- Arduino Programming & Hardware Fundamentals By Hackstar Certification
- Foundations of User Experience (UX) Design Certification
- Google IT Automation with Python Certification
- Google Data Analytics Certification
- Google IT Support Certification

## REFERENCES

Dr. Md. Saifur Rahman  
Associate Professor,  
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## RESEARCH & PROJECTS

### BSc. Research Project

#### Pitch Extraction Using DCT Based Power Spectrum Method in Noisy Speech

- A research conduct to develop a efficient method of extracting Fundamental Frequency of human voice.
- Computer based project, includes Matlab simulation on dataset.
- Provides better performance than other conventional methods.

### Technical Project

#### Arduino Voice Controlled Bluetooth Car

- A microcontroller based project.
- Automates vehicle using voice command through mobile app.

#### Fake Currency Detection

- Machine Learning based project using python.
- Features extracted using data prepossesing & image processing.

#### AI Virtual Assistant

- Artificial Intelligence based project.
- Assist human in daily activities according to command.

#### Vehicle Validation System

- Web developing project.
- Fontend designed with HTML,CSS,Bootstrap 5 & backend with PHP & SQL used for database management.

#### AudioBook

- A python based project can read aloud any document & pdf.

## CO-CURRICULAR ACTIVITES & ACHIEVEMENTS

- [RoboICT](#)  
Founder and CFO (Chief Financial Officer) of RoboICT, A nonprofitable organization provide practical tech learning with lab facalities to students.
- Member of Comilla University Science CLub & IT Society.
- Achieved 1st price in Robo-Soccer Competition & 1st price in Project Showcase in Comilla Zilla Science Fair-2024
- Achieved a 4-year Degree on Singing from Chhayanaut Shongshkriti-Bhobon