Nusrat Jahan Nishat

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EDUCATION

Rajshahi University of Engineering & Technology   **2019 - 2024**

- B.Sc. in Electrical and Computer Engineering (ECE)
- CGPA: 3.65
- Courses included (but not limited to): Computer Programming, Object Oriented Programming, Data Structure and Algorithms, System Design, Operating System (OS), Neural Network, Assembly Languages, Database, Digital Image Processing etc.

TECHNICAL STRENGTHS

Programming Language C, C++, Python, MATLAB

Web Development HTML, CSS, Java Script, TypeScript, React Js, API, Bootstrap, Tailwind CSS, Firebase, Material UI, Node.js, Express.js.

Database MySQL, MongoDB.

Others Git, Machine Learning, Postman, Jira, Autocad, Cisco Packet Tracer, COMSOL Multiphysics.

PROJECTS

Student Job Website | *Source Code*, Video

- HTML, CSS, JavaScript, TypeScript, PHP, Bootstrap
- Split authentication: Job seekers and Employers signup/signin.
  Job seekers post jobs; students apply. Categorize jobs by location and type; Separate sections for CV submissions and employer training.

News Portal| *Live Link*

- React.js, React bootsrap, React router, NodeJs, Firebase, API, Express.js

Grocery Shop (Complete full stack e-commerce website)| *Source Code*

- React bootsrap, React router, React.js, Firebase, Material-UI, NodeJs, Tailwind CSS, API, Node.js, Postman, Express.js.
- Features include: Custom API for 400+ products, Categorized display, Firebase authentication for Signup and Signin, Customers' account management, Add to cart, Cart calculation, Secure Checkout process, Feedback section.

EXPERIENCE

Problem Solving: Solved 100+ data structure and algorithmic problems. **Codeforce LeetCode**

Company Attachment Program: Participated in a 15-day industrial attachment program focused on **Machine Learning** methodologies and applications at **Code Studio**, gaining hands-on experience in data preprocessing, model development, and algorithm implementation under the guidance of industry experts .   Certificate

Participation: NGPC Contest 2019 and 2023, **NASA Space Apps Challenge Bangladesh** 2023, Member at **RUET Anaytical Proogramming Lab**, Executive Member at **RUET Career Forum**, **Vice President** at Chittagong Engineering Students' Association(CESA), RUET.

Volunteering: Technical Team Member at Technocracy 2019 arranged by ECE, RUET.

ACHIEVEMENTS

2nd Runner up at Nasa Space Apps Challenge Bangladesh, 2023

- A Web App based on MARS (Team Mars Marvel)   Certificate

THESIS WORK

Skin Disease Detection using Machine Learning and Image Processing

- Used Python and Tensorflow; Detects 4 different skin diseases; Accuracy 95% .
- Model used Ensembel Model (VGG16) .