Israt Jahan Reshma

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Education

2019 – 2024
🔖 **Bachelor of Science in Computer Science and Engineering, Gopalganj Science and Technology University**, Gopalganj-8100.
Thesis title: *Predicting CSE Undergraduate Students' Careers Using Machine Learning Algorithms in the Context of Bangladesh.*
CGPA: 3.80 out of 4

Technical Skills

🔖 **Programming Language :** C/C++, Python, Java.

🔖 **Data Analysis & Visualization:** Pandas, Numpy, Matplotlib, Plotly, Seaborn, BeautifulSoap.

🔖 **Machine Learning Tools:** scikit-learn, OpenCV.

🔖 **Web Development :** Html, css, Boostrap, Django, Flask(Medium).

🔖 **Database:** MySQL.

🔖 **Tools :** Git, GitHub, VS Code, Figma.

🔖 **Interpersonal:** Analytical thinking, Problem solving, Hard Working, Quick Learner.

🔖 **Other's :** Strong knowledge in core computer science fields such as Data Structures, Algorithms, Object-Oriented Programming, Database, Software Engineering, Operating System, Computer Architecture.

Strength

🔖 Solved more than **2000** problems in different online judge.

🔖 Max -rating on codeforces 1368(**PUPIL**)

🔖 Participate 300+ contest on various online judge (Codeforces, Leetcode, Codechef, Atcoder) and few onsite contests including **NGPC,** 1st UGV SOUTH ZONE Programming Contest, 2nd UGV SOUTH ZONE Programming Contest.[Link]

🔖 Completed training on "**Data Analysis with Python**" and placed **1st** position from CSE department of BSMRSTU, under Enhancing Digital Government and Economy (EDGE) of Bangladesh Computer Council,ICT Division.

Projects

🔖 **CareHUB, Salon & Parlor Booking Platform** | *HTML, Tailwind CSS, JavaScript, Django, MySQL* (ongoing) | [Link]
Developed an online booking system allowing users to find, compare, and book salons based on reviews, pricing, and availability. Implemented a barber selection feature and real-time time-slot booking for a personalized experience.

🔖 **Dairy Product ecommerce website** | *Java Swing, AWT, Thread, MySQL* | [Link]
Developed dairy product web application with a user friendly interface for effortless browsing and product ordering system.

Projects (continued)

- **Typing Game** | *C/C++, C Graphics, Object Oriented Programming concept, C file* | [Link]
  Developed Typing game for providing speed and accuracy for user. Implemented file system that provide the typing progress.
- **Bazar Dor Monitizing** | *Java Swing, AWT, Thread, MySQL* [Link]
  A software project designed to monitor and track the prices of various products on a daily basis and implemented reporting system that anyone can report to admin with product id for high prices.

Selected Research Work

2024   **Predicting CSE Undergraduate Students' Careers Using Machine Learning Algorithms in the Context of Bangladesh.** (publication ongoing)
A survey of 468 CSE students from various Bangladeshi universities identified key factors influencing career choices, including academic skills, soft skills, and job preferences. **Outcome:** Most students prefer the software development sector. ML algorithms like Logistic Regression, Decision Tree, Random Forest, and others were applied, with Random Forest achieving the highest accuracy.

Characterizing the Role of Link in Tweets by npm Maintainers: Source, Purpose and Decay. (publication ongoing)
Investigated 18,408 links in NPM maintainers' tweets to understand their role in the NPM ecosystem. **Outcome:** Most links target package management content like blogs and tutorials. 80% are unique, 20% repeated. GitHub is the top domain after Twitter, with 5% of links inaccessible.

Israt

Signature