Israt Jahan Reshma

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Education

- **Bachelor of Science in Computer Science and Engineering,** Dec 2024
  Gopalganj Science and Technology University
  Thesis title: *Predicting CSE Undergraduate Students' Careers Using Machine Learning Algorithms in the Context of Bangladesh.*
  CGPA: 3.80 out of 4.00

Professional Training Experience

- **Learnathon** 3.0 – **Job-Ready Tech Program,** *December 2024 - Current*
  Sponsored by **Brainstation23** and other renowned tech companies in Bangladesh.
  Skills: Learned Django, Software Development, Version Control (Git), Design Patterns, and Database Management through real-world projects with industry mentorship.
- **Data Analysis With Python**, *May 2024 - Sep 2024*
  EDGE-GSTU CSE Digital Skills for Students Program
  Skills: Gained expertise in advanced data analysis, visualization, and Python libraries (Pandas, Matplotlib, Seaborn) to extract actionable insights and solve real-world problems.

Technical Skills

- **Programming Language :** C/C++, Python, Javascript.
- **Python Library:** Pandas, Numpy, Matplotlib, Plotly, Seaborn, BeautifulSoap, scikit-learn, OpenCV.
- **Web Development :** Html, css, Boostrap, Django, Flask(Medium).
- **Database:** MySQL, PostgreSQL.
- **Tools :** Git, GitHub, VS Code, Figma, LaTex, Project management on Asana.
- **Other's :** Strong knowledge in core computer science fields such as Data Structures, Algorithms, OOP, Database, Software Engineering(SDLC, MVC, Agile Methodologies, Manual Testing: Functional, Regression, Integration), 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]

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** | *HTML, CSS, JavaScript, Django, MySQL* | [Link]
  Developed dairy product web application with a user friendly interface for effortless browsing and product ordering system.
- **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.

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