

Jahedul Alam Junaed

📍 Dhaka, Bangladesh 📞 +8801867131525 ✉ nowshadjunaed@gmail.com
📄 nowshadjunaed 🌐 Nowshadjunaed 📄 Google-Scholar-Profile 🌐 Personal-Website

Education

B.Sc, Computer Science and Engineering

Feb 2018 - March 2023

Shahjalal University of Science and Technology • Sylhet, Bangladesh • CGPA - 3.71 / 4.00 (Last two years CGPA: 3.83)

Research Experience & Publications

- **NumDecoders at SemEval-2024 Task 7: FlanT5 and GPT enhanced with CoT for Numerical Reasoning** [[paper link](#)]
 - Presented a Chain-of-Thought enhanced solution for large language models including flanT5 and GPT 3.5 Turbo aimed at solving mathematical problems
 - Developed a data augmentation strategy incorporating additional mathematical reasoning from an external corpus, using both automatic and manual annotations to enhance model reasoning capabilities
- **Vio-Lens: A Novel Dataset of Annotated Social Network Posts Leading to Different Forms of Communal Violence and its Evaluation** [[paper link](#)]
 - Proposed a novel framework for annotating online violence-inciting comments in Bangla
 - Categorized violence-inciting comments using a Guided LDA with human-in-the-loop approach and identified key terms of each category
 - Created a novel dataset of 6046 annotated social media comments and provided benchmark evaluation of the dataset
- **BLP-2023 Task 1: Violence Inciting Text Detection (VITD)** [[paper link](#)]
 - Presented the comprehensive technical description of the outcome of the VITD shared task
 - 27 teams consisting of 88 participants participated in this shared task
- **garNER at SemEval-2023: Simplified Knowledge Augmentation for Multilingual Complex Named Entity Recognition** [[paper link](#)]
 - Proposed a knowledge augmentation approach by directly extracting information from Wikipedia API and adding it to input sentences
 - Applied ensemble methods across multiple models to get the final prediction
- **Data, Annotation, and Meaning-Making: The Politics of Categorization in Annotating a Dataset of Faith-based Communal Violence** [[paper link](#)]
 - Analyzed the marginalization of faith-based, religious, and spiritual (FRS) perspectives in data annotation
 - Highlighted the ethical implications of data annotation, emphasizing the need for greater inclusion of faith-based, religious, and spiritual (FRS) aspects in the annotation process

Industry Experience

Associate Software Engineer at Orbitax Bangladesh Limited

March 2023 - Present

- Developed the support ticket feature, where clients report issues with detailed information, and administrative staff provide solutions, now actively used by all Orbitax clients
- Built a few reusable components that streamlined development, and reduced repetitive code for other developers
- Developed a video meeting feature named Orbitax Meet which is being used for all of the internal and client meetings of Orbitax

Competitive Programming & Mentorship Experience

- Learned various core and advanced algorithms and data structures on graphs, trees, string, number theory, and dynamic programming
- Solved **1800+** problems in various online judges including CodeForces, CodeChef, Vjudge, LightOJ, UVA, etc.
- Participated in some national contests and several online contests
- Codeforces - achieved a maximum rating of 1573 [Username: [Nowshadjunaed](#)]
- CodeChef - achieved a maximum rating of 1731 [Username: [nowshad_junaed](#)]
- Mentored **20+** freshman students to teach different algorithms, data structures, and programming

Honors & Awards

- Organizer of VTTD shared task (Task 1) endorsed by [BLP Workshop @ EMNLP 2023](#)
- Ranked **5th** in SemEval 2024: Numeral-Aware Headline Generation
- Top **10** in 10 language tracks, SemEval 2023: Multilingual Complex Named Entity Recognition

Projects

Shopaholic [[Github](#)]

- Developed an E-Commerce site using Node.js and React
- Built and integrated custom E-Commerce, Bank, and Supplier APIs.
- Implemented a transaction flow where users make payments, the E-Commerce pays the supplier, and the supplier delivers products to the shipping address

Brevity [[Github](#)]

- Built a blog site for experience and resource sharing using the Flask framework
- Enabled a platform for experts to share experiences and for beginners to seek guidance and resources

Dynamic Programming Simulator (DP simulator) [[Github](#)]

- Developed a DP problems using JavaFX, as no existing DP simulator was available
- This project can simulate six different types of dynamic programming-based problems e.g., 0-1Knapsack, Coin Change, Longest Increasing Subsequence, Longest Common Subsequence, Matrix Chain Multiplication, and Edit Distance

Skills

- **Programming Languages:** C, C++, Java, Python, C#
- **Web Frameworks/Tools:** ASP.NET Core, Angular, Flask
- **Databases:** MySQL, MongoDB
- **Others:** Machine Learning, Artificial Intelligence, Natural Language Processing, Data Structure, Algorithm, Object-Oriented Programming

References

Dr. Ruhul Amin
Assistant Professor,
Fordham University, New York
Email: mamin17@fordham.edu
Website: [Dr. Amin](#)

Arnab Sen Sharma
Assistant Professor,
Shahjalal University of Science and Technology
Email: arnab-cse@sust.edu
Website: [Arnab Sen Sharma](#)