SAMI UDDIN
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Work Experience

Software Engineer, Decisions   VA Beach, Virginia
                                                                                                 Dec. 2023-Till Date
- Enhanced visualization capacity by implementing charts.
- Improved database indexing functionalities by addressing potential bug.

Software Engineer, Virginia Marine Resources Commission   Hampton, Virginia
                                                                                                 Mar. 2022-Dec. 2023
- Orchestrated version control (Git) across all agency web apps in the local network, streamlining team collaboration.
- Engineered a charter license purchase system, automating the antiquated paper-based process and reducing processing time from 21 days to just 30 minutes.
- Implemented a barcode-driven inventory tracking system for 3000 unique items, streamlining operations and increasing visibility.
- Crafted a digital FOIA Tracking System, systemizing outdated paper-based processes and achieving 90% efficiency and accuracy gains.

Graduate Assistant, Old Dominion University   Norfolk, Virginia
                                                                                                 Jan. 2020-Mar. 2022
- Guided students in developing web projects with PHP, MySQL, HTML & CSS.
- Harvested and stored metadata and full-text ETDs via OAI-PMH protocol and built a searchable repository. Utilized Python and MySQL for data processing and management.
- Engineered accessible Chrome Extensions for visually impaired users with JavaScript, Apps Script, HTML, and CSS.

Software Developer, Bluebnc   Dhaka, Bangladesh
                                                                                                 May 2017-Dec. 2019
- Integrated Google Map JavaScript API with the web project, which helps to find boats from the locations of multiple different time zones.
- Collaborated with the marketing team to implement SEO techniques that placed the website on the 1st page from the 17th page in Google search from Mallorca.
- Expedited our development following CI/CD and clipped the production errors by 95% by continuous code reviews.
- Built the project with a mobile-first approach and developed PWA that saved millions on investing resources to develop projects in the new platforms.
- Slashed functional bugs 90% by implementing unit tests on the REST API backend.

Skills

Languages/Lib	JavaScript(ES6+), TypeScript, Python, PHP, C#, ReactJS, Shell, C
Web	HTML5, CSS3, .Net Core (MVC), MySQL, Azure, Git, JSON, CI/CD, XML
Software	Postman, Linux, Docker, SQL Server, IIS, Weka, OpenRefine, Tableau, RStudio, JMeter

Projects

Nutri-Assist   github.com/rayansami/nutrition-assistant
- Designed a system that would analyze casual voice commands from the users about their food intake and present the nutritional values for the indicated food items. **Technology**: Python, RESTApi, NLP

TRANSPARSCIT: Citation Parser   github.com/rayansami/citation-parser
- A citation parser powered by Transformer and CRF stack to extract metadata (such as Author, Publication, Date, etc.) from a given reference string. **Technology**: Python, Deep Learning, NLP

Web Crawler(s)   github.com/lamps-lab/ETDMiner/tree/master/webcrawler
- As a part of an IMLS funded research project, I developed a digital library by acquiring and organizing metadata and dissertations from US school websites. **Technology**: JavaScript, HTML, Python, MySQL

Education

Old Dominion University (ODU)   Norfolk, Virginia
M.Sc. in Computer Science; GPA 3.78   May 2022

Military Institute of Science & Technology (MIST)   Dhaka, Bangladesh
B.Sc. in Computer Science and Engineering   Feb. 2017