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USMI MUKHERJEE

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EDUCATION

Dalhousie University	Halifax, NS	Sep 2021 – present
<ul style="list-style-type: none">• M.S. in Computer Science• Graduate Coursework: Advanced Topics in Natural Language Processing, Machine Learning for Big Data, Software Maintenance and Evolution, Visualization• Research: Currently a member of RAISE Lab, working with Machine Learning, Natural Language Processing and Software Engineering.		
Visvesvaraya Technological University	Bangalore, India	Aug 2016 – Aug 2020
<ul style="list-style-type: none">• Bachelor of Engineering in Computer Science and Engineering, GPA : 8.18/10		

EMPLOYMENT

Associate IT Consultant	ITC Infotech, India	Feb 2021 - August 2021
<ul style="list-style-type: none">• Worked on customization using Advanced Java in PTC FlexPLM system, a web based PLM-System developed for consumer products.		
Software Developer Intern	Unilever, India	January 2020 - June 2020
<ul style="list-style-type: none">• Worked on a Node.js application that automatically generates a Process Flow Diagram(Flowchart) from the recipe of the products required while manufacturing.		

LANGUAGES AND TECHNOLOGIES

- Java, C, Python, HTML, CSS, JavaScript, MySQL, Django
- jQuery, Bootstrap, Node.js, Express.js, PHP, Git

TECHNICAL EXPERIENCE

Academic Projects

- **Does Textual Dissimilarity Hinder Duplicate Bug Report Detection? An Empirical Study:** Description: Conducted a large-scale empirical study to understand better the impacts of textual dissimilarity on the detection of duplicate bug reports.
- **A Study on Bug Reports using Interactive Visualization using Topic Modelling:** Description: A tool to analyze evolution patterns that emerge from bug reports based on combination of topic modeling and visualization techniques.
- **Detecting and Filtering Cyberbullying comments on Social Media Application:** Tech Stack : Django, PostgreSQL Description: A social media application that filters bullying comments. It differentiates between constructive criticism and bullying with high accuracy.
- **Internal Assessment Test Question Paper Management System:** Tech Stack : HTML, CSS, JavaScript, PHP, MySQL, Node.js Description: An ERP application for internal assessment test question paper management for our college for efficient working of the Examination department, to reduce efforts of the Faculty and also to automate the process.
- **Online Bookstore:** Tech Stack : HTML, CSS, JavaScript, PHP, MySQL Description: A web based application intended for shopping as well as selling books online. A user can buy, search, view and sell books online.

RESEARCH PAPER

- N J Savitha, S Vedhitha, Usmi Mukherjee, Riya Francis, Reena, September 2020, "Cyber Bullying Prediction for Safe Environment in Social Media", Journal of Green Engineering Volume 10, Issue 9, 10 pages. Link : <http://www.jgenng.com/volume10-issue9.php>

MOOC COURSES

- The Web Developer Bootcamp Udemy
- Python Foundation Course Infosys

ACHIEVEMENTS

- Best Semester Project Internal Assessment Test Question Paper Management System.
- Deloitte Techno Utsav 2019 3rd round