AMRUTA DATTAPRASAD JOSHI
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EDUCATION:

Syracuse University, College of Engineering & Computer Science   **May 2020**
M.S. Computer Science | Specialization: Data Science.
Selected Coursework: Structured Programming and Formal Methods | Software Modelling and Analysis | Computer Architecture, Design Analysis and Algorithms, Internet Programming, social media and data mining.

Bachelor of Engineering, Mumbai, India   **July 2018**
Information Technology
Passed with first class Distinction
Selected Coursework: Operating Systems | Data Structures and Algorithm | Big Data Analysis| Image Processing | Cloud Computing | Advanced Database management system| Web Technologies |Web Programming | Computer Graphics and Virtual Reality.

TECHNICAL SKILLS:

Languages: C | Java |C# | Python3 | SQL | Haskell.
Software's: MS office | Tableau | Visio | Visual Studio.
Web Technologies: HTML5 | CSS3 | JavaScript | ASP.NET | AJAX| NoSQL| React |Angular Nodejs| JQuery.

INDUSTRY EXPERIENCE:

Embedded Techno Solutions, India   **August 2016**
Position: Intern Duration: 1 month
Responsibilities:

- Designed a user interactive system which is written in Python.
- Acquired working knowledge in Python to create the real-life applications by defining simple methods.
- Acquired knowledge in the automation and refraction of the code.
- Developed Inventory System.

INDEPENDENT PROJECTS: June 2016

Web Development:

- Developed a website where the user can book the tickets for the movies, check the upcoming movies, pay the money for the tickets online through this site.
- Proper designing of the website with new features of HTML5 and CSS3 stylings.
- Development Environment - HTML5, CSS3 – Frontend, SQL- database, ASP.NET – Backend

Online Roommate Finder: January 2017

- This project was developed for the hostel students. The web application was used by the hostel students to find a roommate for the hostel according to the different terms and conditions (Criteria) given by the user. The application consists of 2 modules namely: Client Side and Server Side.
- Development Environment: HTML, CSS, PHP, JavaScript, Writing the UI/Business validations for the owned use cases.

Clean My City App: June 2017

- Developed and android application wherein, the user can click the picture if they see trash has not been thrown to the proper place or the area is dirty. This picture is sent directly to the trash collector office with the appropriate location and information of the place given.
- Development Environment: - Android Applications

Building Solutions for managing and actualizing Industrial Institute Collaboration: Feb 2018

- This project fostered a problem-solving approach that encourages researchers to work together across departments, fields, and institutional boundaries. The resulting collaborations have fruitful partnerships with industry and other leading research institutions. Developed a website as the industry guide which can be useful for many industries and the users.
- Development Environment - - HTML5, CSS– Frontend, PHP, JavaScript – Backend

Lexical Scanner Using State Based Tokenizer, Syracuse University   October 2018

- This project was developed to understand modelling of the software, which includes its architecture, design and implementation. I had divided this one whole project into 3 parts: Main idea for the first part was that the scanner should be able to detect and split the tokens passed according to its respective states. After the division of tokens, proper semiExpressions should be obtained as per rules specified. Secondly, type-based dependency analysis was performed. Based on various classifications, the type of the file was determined, and it also focused on which files are dependent on each other and are their any mutual dependency between the files available in the project. Algorithm used for this is: Tarjan's Algorithm. Final part was based on Client Server application. Since the project was developed using C#, for the backend client part WCF was used and for designing the frontend WPF concept was used.
- Development Environment: Visual Studio(C#).

E-book Reader, Syracuse University   May 2019

- Developed a website named ebook Reader that supported atleast PDF and Mobi documents
- Website has two sections: Public Static Section and Password Protected Section. For Password Protected Section ASP.Net Core MVC will be used and HTML5, CSS3 and ES6 for public static section. With the help of this website we can select and view both publicly available documents and private documents with an authentication. Webservice is built using Asp.Net Web API to manage the content on the site. Clients for the webservice will be developed using .Net Core HttpClient class. This website will possess an ability to upload, replace and delete any of the stored documents. We can add the sources of the documents from any file format like local file system, dropbox, google drive or onedrive.
- Development Environment: Visual Studio Code, dotnet CLI.

Extracurricular Activities and Achievements:

- CODESHASTRA 3.0 (24 hours Hackathon) organized by Computer Society of India.
- Code for Good Coding Competition – Organized by JP Morgan Chase.
- Worked as a team leader in developing projects as a part of Technical Committee.