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Summary

Pursuing M.S in Computer Science expected graduation in **May '18** specializing in **Databases and Data Mining** with 1-year of work experience in **Development** and **maintaining DB** with interest in finding solutions to business problems by interpreting and analyzing data and seeking to leverage data analytical skills to improve corporate performance as a data analyst.

Projects

- News Article Parser | Python, Beautiful Soup, Requests and CSV – [GitHub](#)***Sept '17*
 - Built a program which can parse all the articles from the specific number of pages from the archive of website [www.dailymail.co.uk](#). For fetching the html web pages library used is request and for parsing the HTML pages, XML, JSON responses from the API calls the library used is Beautiful Soup
 - Extracting the Article Title, Author, Published and Updated date and the Content of the article and converted the extracted data into Excel CSV format.
- Supervised data mining | Java, Weka tool****Data Mining in MS***Oct '17*
 - Analyzed the performance comparison using the Weka tool between two learning algorithms Decision Trees and Naïve Bayes for a dataset that consisted the classification of phishing websites.
 - The outcome was that the Decision Trees algorithm (overall 97.26%) was ~5% more accurate than the Naïve Bayes algorithm (overall 92.98%) for the specific dataset of phishing websites.
- Guestbook Webapp | PL/SQL, Oracle 10g, Python and Django - [GitHub](#)****Advance Database in MS***Sept '17*
 - The objective was to build a guestbook that lets users post messages to a public message board using HTML and Django.
 - The challenges faced in this project was the process of developing a connection between the Django project and the Oracle database.
- Classification of Satellite Images | MATLAB – [GitHub](#)***Dec '16*
 - Designed the project to classify the satellite images based on histogram technique in four categories (costal, forest, desert, metro) with the use of reference images of all four categories and with the accuracy of ~92%.
- HTTP/FTP Proxy Server | C – [GitHub](#)****Internet and Higher Layer Protocols in MS***Aug '16*
 - Developed a forward proxy server application in C which gathers resources from the servers and rechannels the response data to the requesting client browser.
- Automatic Toll Tax Recovery | ASP.Net, C#, MS SQL****Final Year Project in BE***Apr '15*
 - Planned a system which electronically deducts toll tax from the vehicle owner's account without the vehicle halting at the toll booth which would in turn decrease traffic near toll booth.
 - Integrated the database in SQL with the hardware components (Arduino and Zigbee cards) and operated the components by generating stored procedures and functions based on new requirements.
- Student Information System | HTML, CSS, JavaScript, MySQL****Advance Database in BE***Mar '15*
 - This web app stores the student's information which can be accessed from anywhere by the students which is like Moodle.
 - My role was to handle MySQL database that is managing the stored procedures and functions and triggers frequently one the bases of the changes required by the professors every semester.

Work Experience

- Synergics Solutions – Web Developer Intern***Jan – Jul '16*
 - Accelerated the process of adding new products to the website by developing a module for content management team and integrated the module within Enterprise Application for client caratlane.com.
 - Built an android application which could be synchronized with the website whenever new or updated products are added.
- ITSource Technologies – Software Developer Intern***Jun – Dec '15*
 - Designed a module which would check the previous orders from customers' profile and recommends new Cuisines to the customer using user rating and keywords related to the cuisine.
 - Built a survey form for new users which could ask the user to select from many type of cuisines to generate the user profile for recommendations with the accuracy of 75%.

Technical Proficiency

- Programming Skills:** Python (NumPy, Pandas, Beautiful Soup, SQL Alchemy), Java, Map Reduce, C++, C#, HTML5, CSS, MATLAB.
- Databases:** MySQL, Oracle 10g, 11g, MS SQL.
- Operating Systems:** Windows, MacOS X, Linux, Ubuntu.
- Software Skills:** Alteryx, Tableau, Amazon Web Services (EC2, S3), GitHub, Hadoop.

Education

- M.S in Computer Science** - New Jersey Institute of Technology, Newark, NJ.*May '18*
- B. E in Computer Engineering** - Thakur College of Engineering and Technology, Mumbai, India.*Jun '15*
- Certifications:** Stanford Online – Databases DB5 SQL.*Aug '16*

Affiliations

- Deep CS (official graduate student community at NJIT) Tutor for Operating System Design and Internet and Higher layer protocols for 1 year.
- Earned 2nd rank** in Grid Warrior (Cassiopeian Wars) with a team at IIT Bombay Techfest.
- Ranked under **top 1000** all over India in CodeVita a coding competition held by Tata Consultancy Services.
- Active Youtuber: Review Technologies, Troubleshooting videos.