Ajinkya Bijwe

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OBJECTIVE: To pursue a challenging career and be part of a progressive organization that give scope to enhance my knowledge, skills and reach pinnacle in computing and research field with sheer determination, dedication and hard work.

TECHNICAL QUALIFICATION:

- **Programming Languages:** Python, Java, C#, ASP.NET
- **Big Data & Data Science:** Hadoop, MongoDB
- **Web:** JavaScript, Angular JS, HTML5, CSS, JSP, Restful API, node.js, Ajax, WordPress, Drupal, Joomla,
- **Operating Systems:** Linux, MacOS, Windows
- **Databases:** MySQL, SQL Server, Oracle, MS Access
- **Tools:** Eclipse, Adobe Dreamweaver, Amazon Web Services EC2, Tomcat, Git, IBM Rational Rose

WORK EXPERIENCE:

Student Assistant (California State University Fullerton)   August 2015-Present
- Performing various clerical operations and data entry using Microsoft Office
- Managing various inter departmental jobs
- Helped and consulted various website operations of departmental website

Student Assistant (Prof. Ram Meghe Institute of Technology and Research)   August 2012-2013
- Managed and maintained all the college website data
- Coded the frontend as well as backend of the website in Visual Studio 2012 and MS Access database

PUBLICATION AND ACHIEVEMENTS:

Publication on "Anti-SPAM server for SMTP using Bayesian Filtering"   April 2012
at IJCSA (International Journal of Computer Science and Applications) Vol.6, No. 2 ISSN: 0974-1011

First Prize in Paper Presentation on "Advances and Recent Trends in Networking"   February 2013
in national level technical event "Prajwalan" at Government College of Engineering, Amravati

Among 3 top selected students from college to attend 10 day workshop on   April 2013
"IBM Rational Rose" conducted by "Indian Knowledge Corporation"

VOLUNTEER EXPERIENCE:

Managed a national level technical event "Techknow Project" in TechKnow Experts   February 2013
at Prof. Ram Meghe Institute of Technology and research, Amravati

EDUCATION:

Master of Science in Computer Science   May 2016
California State University Fullerton (CSUF) **GPA: 3.6**

Bachelor of Engineering in Computer Science and Engineering   May 2013
Prof Ram Meghe Institute of Technology and Research (PRMIT&R), Amravati University, India **GPA: 3.8**

RELEVANT COURSES:

Advanced Computer Networks, Advance Database Management System, Cloud Computing and Cloud Security, Expert System Design Theory, Operating Systems, Object Oriented Programming, Data Structures, Design and Analysis of Algorithms, Computer Networking and Interfaces

ACADEMIC PROJECTS:

Key Based Cryptosystem for Data Sharing on the Cloud | CSUF   **January 2016 - Present**
- Creating the new algorithm used to generate public and aggregate key so as to encrypt and decrypt data over the cloud using Java and ASP.NET
- It consist of phases such as
    - Data-owner Repository : To store data on the cloud
    - Public key Regeneration : Common key for encryption
    - Aggregate key Generation : Private key generation late used in decryption phase
    - Secured Cloud Repository : SSL secured cloud repository
    - Decryption Phase and data retrieval : Decrypted data

Peer-to-Peer Communication Using WEBRTC |CSUF   **August - December 2015**
- Created a multi user WebApp in HTML5,CSS and Javascript using Web Real Time Communication with peer-to-peer protocol method with email verification and authentication of users
- Some features include Video Calling, Random Number Generation for Anonymity, 2048BIT secure chat with self-destruct message (Live Project Link:videowebrtc.x10host.com)

Stores Sales Estimation Using Model Training |CSUF   **January - May 2015**
- Created an algorithm to estimate store sales during the holiday and over the year using Knowledge discovery in Database (KDD) data extraction model in R programming language
- The Random Forest algorithm in R package repository is used to fetch data from various CSV files and write the output in final CSV file which contains the predicted sales predicted from the previous year sales

Assignment Management System |CSUF   **August 2014 - December 2014**
- Created a windows application in C# and MySql to manage any departmental jobs and assignments which are differentiated on the basis of position of employee in the company and name of company or department
- Manager or Director can add, delete or modify any assignment in the systems, also created user log entry feature to provide update of various tasks
- Created an algorithm to force user change password for first time login

Disease Detection Using Certainty Factor in CLIPS |CSUF   **August 2014 – December 2014**
- Created a program which calculates the certainty of patient having specific disease on the basis of symptoms
- On execution the program asks to enter the certainty/possibility of symptom patient have
- The program gives the output/diagnosis as percentage of someone having that disease
- Certainty is calculated on the basis of defined certainty factor and certainty of symptom

Anti Spam SMTP Server for Linux |PRMIT&R   **August 2012 – February 2013**
- Created an algorithm using Bayesian text based filtering method to filter the spam words such as "offer", "off" etc. using MySql Database tables.
- The each word in the email is matched to Spam Words database and is moved to junk mail automatically.
- Webpages are created using JSP (Java Server Page) and the backend is created using MySql.
- The working software contains the fully functional IMAP mailbox and Admin for network monitoring