SUMEDH SALVI

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SUMMARY

To enhance my professional skills and gain experience. Also to use my skills for the betterment of the society.

EXPERIENCE

Analyst, Principal Global Services, Pune, India *Jul 2018 - Apr 2020*

- Worked on three separate applications: Form 5500 Internal And Client Facing System, PBGC Services System and Self-Serve Application.
- Fixed critical bugs and system defects which helped improve operational efficiency and user experience.
- Worked on Annual 5500 forms and schedules changes which helped serve around 60k plans.
- Improved the efficiency of PBGC and Self-serve applications which had an impact on around 20 lac people.
- Worked on a research project to create a Principal Chatbot application for plan participants using Amazon Lex & other Amazon services to gauge the expenses and returns and provide an analysis to build the application.
- Developed Expertise in using Spring Framework (Spring micro-services, Spring boot, Spring batch).

Software Developer, Global Super Elite, Pune, India *May 2017 - Jul 2017*

- Worked on creating a web based application using HTML, Javascript, PHP for business to business communication which was later named as RATAN - A smart Business to business communicator
- Built a complete web communication system in the form of an Email writer and scheduler, Calling system, SMS system & Appointment Scheduler for ease of communication between services.
- Used machine learning algorithm for sentiment analysis to generate rating for a company based on the clients comments.
- Published all the research and findings in IEEE ICCUBEA conference 2018 and the project was presented in 'Unlock India' Conference. (DOI: 10.1109/ICCUBEA.2018.8697704)

Trainee Researcher, CDAC (Center For Development of Advanced Computing) *May 2016 - Oct 2016*

- As a team of four, analyzed around 40 permutation algorithms through several research papers and publication to find and work on 4 to 5 algorithms with the least time and space complexity.
- Used C++, concepts of Pragma omp parallel programming and core selection to improve the efficiency of algorithms.
- Significantly reduced the time required to calculate the permutations for a given input. Published all the research and findings in IEEE I2CT conference 2019 (DOI: 10.1109/I2CT45611.2019.9033835)

PROJECTS

RATAN: Smart Business to Business Communicator

- Created an end-to-end experience starting from selecting the right business to sealing the deal with the selected business.
- Created several CRM tools such as email, SMS, calling and chat systems for improving user experience.
- Several APIs such as Ozonetel for calling and Twilio for SMS were used. CRON scheduler was used to schedule and send emails at a pre-scheduled time.
- To provide better results (in the form of reviews, ratings, stats, client history), sentiment analysis - machine learning algorithms and web scraping algorithms were used.
- Technology Used: PHP, Javascript, Python

Smart Idea Submission Portal

- Created a web based idea submission portal where PGS users/clients could submit their ideas and get their idea up-voted, commented to speed up the process of getting it implemented as an actual feature.
- It also consisted an admin portal where all analysis in the form of graphs and figures(most popular, trending, top rated) were provided to ease up the process for the admin.
- Technology Used: Angular, Spring Rest, Typescript

Potential Tester

- The main idea of the platform was to provide a platform where the students could practice coding in an environment similar to placements coding rounds(with no IDE support).
- Students could write codes in several languages such as C, C++,Java and Python.
- In the test mode, the user is unable to escape the system using any keystrokes or mouse clicks.
- In the admin panel, the user could keep a track of all the assignments which are completed and the assignments which are yet to be completed.
- Technologies used: Java, JavaFX, MySQL

DIVERT: A Distributed Vehicular Traffic Re-routing System for Congestion Avoidance

- This project was based on an IEEE Xplore paper DIVERT which provided centralized solutions for vehicular traffic re-routing to alleviate congestion suffer from two intrinsic problems: a) Scalability and b) Privacy
- A basic prototype was built which used a regular client-server connection method. All the vehicles within a particular range(latitude and longitude range)of server are connected to the server and provided with traffic updates.
- Technology and tools used: C# & Unity

EDUCATION

Bachelors of Engineering, Computer Engineering — *Jul 2014 - Jul 2018*
Vishwakarma Institute Of Information Technology — **Percentage: 72**

SKILLS

Languages & Framework: C, C++, Java, Python, Javascript, PHP, Angular, Spring
Database: SQL, DynamoDB, MongoDB

RESEARCH & SCHOLARSHIPS

- Published paper 'Permutation Algorithm Analysis and Updation', IEEE, I2CT, Pune - 2019
- Published paper 'RATAN: A Smart Business to Business (B2B) Communicator', IEEE, ICCUBEA, Pune - 2018
- Received 'Google India Challenge Scholarship' from Udacity for the course 'Android Basics Nanodegree by Google'

AWARDS & ACHIEVEMENTS

- Received 'Client Comforter' award for fixing a critical bug and pushing it to Production in a single day in 2019.
- Received 'Best Class Representative' Award in the Final Year - 2018
- Vice President for Computer Society Of India (CSI) - 2018
- President for Association of Computer Engineers (ACE) - 2017
- Joint Technical Secretary for the annual technical event 'Perception - 2018'
- Chief Editor for Computer Department's Magazine MSB (Most Significant Bit) & Newsletter - 2018

REFERENCES

- Mrs. Rupali Khandagale, (khandagale.rupali@principal.com) Tech Lead, Principal Global Services, Pune, India
- Mrs. Disha Maind,(disha.wankhede@viit.ac.in)- Assistant Professor, VIIT, Pune, India
- Mrs. Madhuri Chavan,(madhuri.chavan@viit.ac.in)- Assistant Professor, VIIT, Pune, India