

SOUMYA TIWARI

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EDUCATION

2013-17 | B.Tech Computer Science and Engineering | N.I.T. RAIPUR | 9.16/10.0

2012-13 | Senior School C.B.S.E. | Krishna Public School Raipur | 91%

2010-11 | Secondary School C.B.S.E. | Krishna Public School Raipur | 10/10

EXPERIENCE

CAPGEMINI (Senior Software Engineer)

- Recently joined Capgemini and Completed 3 months training on JAVA, Oracle and PL/SQL. **2017**
- Completed training on **Capital Market and Finance** domain.

BELZABAR SOFTWARE (Software Development Intern)

2016

- Worked on an email enhancement tool "**HYPER-EMAIL**". This tool provide-Email delegation services, Email Organization, Anti-Spam, and Reports.
- I was allocated to Email Delegation Service team and worked on database and backend web server configurations.
- Technologies used are- Spring Framework, Apache James mail server, AngularJS 2, PSQ, MyBatis, SonarQube.

IIITDM, CHENNAI (Research Intern)

2015

- Worked under Prof.Dr.Noor Mahammad in Network Design and System Architecture and my project was "IPLOOKUP IN ROUTER USING HYBRID TRIE" and implementation of the algorithm in C++/CUDA platform.
- The main aim of this project was to implement parallelism in router lookup table so as to reduce the bottleneck in searching for the target IP address.
- Technologies used- C++(Data Structures) and CUDA Platform.

PROJECTS

LAB MANAGEMENT- MAJOR PROJECT

- Developed an IOT based web application which allows professor to monitor the Computer labs of our department. Web Portal display all statistics and current attendance of the lab and switch off the systems when user is not present on any system.
- PIR Motion Sensor are used to monitor the presence of user and Arduino Uno and Ethernet Shield are used to transfer data to the server.
- Technologies Used- PHP Materialize CSS, Google Charts, MySQL, Arduino Uno Board and PIR Sensors.

SCHEDULING SIMULATOR –MINOR PROJECT

- Developed web based scheduling simulator for Real Time and Non Real Time Scheduling Algorithms.
- Various scheduling algorithms can be visualized through Gantt charts and time diagrams upon user input.
- Technologies Used - C++, PHP, HTML/CSS.

NOTICE MANAGEMENT

- Web development project which allows professors and department to send notices or assignments to students at their registered email-id.
- Technologies Used – JAVA, JSP, HTML, PSQ.

Q/A GENERATOR

- Developed an question paper and answer paper generator which generates question papers and corresponding answer paper in two separate PDF files .The question paper is randomly generated according to the requirement of the user.
- Technologies Used - Java, JSP, MySQL, HTML, Materialize CSS

REMINDE ME APP BACKEND

- This is backend of reminder application developed on django rest framework which allows data to be exchanged in json format. Reminder is send to user registered phone number 30 minutes before the occurrence of the event.
- Technologies Used - Django Rest Framework, Celery Scheduler

SKILLS

Operating System- Linux (Ubuntu)

Programming Languages – C, C++, JAVA (Core+JSP/Servlet), Shell Scripting, JavaScript, HTML5, CSS, PHP

Framework- Spring, Django, Django Rest Framework

Other Technologies – Web Services (REST/SOAP), MVC Design Pattern, PL/SQL, MySQL, Postgress SQL

Courses Taken-Algorithms and Data Structures, Operating System, Real Time System, Data Mining and Warehousing, Artificial Intelligence and Expert System, Cryptography Network Security, Neural Network

ACHIVEMENTS AND ACTIVITIES

- Rank under top 10 in department and School topper.
- Member of Entrepreneur-cell committee of College.
- Organising member of Aavartan –Techno-Management fest of NITRR (2014).
- Participated in various online coding events in HackerEarth and HackerRank.