
ANAND SAHU

4 14th Street, Troy, NY 12180 ♦ C: 4075904661 ♦ sahua@rpi.edu

SKILLS

- Java (Oracle Certified Java Programmer)
- C++/ C
- JavaScript/ jQuery
- HTML5/ CSS
- AJAX
- MySQL

WORK HISTORY

Technology Advisor (Financial Services Office), 05/2015 to 07/2015

Ernst & Young (EY) – 5, Times Square, New York, NY

- Part of team, which executed the account review process and validation of consumer compliance remediation for a global bank
- Worked on client reports, data flow diagrams and client databases using SQL

Teaching Assistant (Computer Science), 01/2015 to Current

Rensselaer Polytechnic Institute – Troy, NY

- Led a team of 4 undergraduate mentors during lab and decided their responsibilities and duties
- Assist undergraduate students with Computer Organization and programming concepts in lab and office hours

Trainee, 01/2014 to 02/2014

Accenture Pvt. Ltd – Indore, MP, INDIA

- Completed campus to corporate training to enhance programming and software engineering skills

EDUCATION

Master of Science: Information Technology & Web Science, **Grad: Dec 2015**

Rensselaer Polytechnic Institute - Troy, NY

Concentration: Software Design & Engineering (**Current GPA: 3.92 Overall 3.86**)

- Inducted into Gamma Nu Eta Honor Society for outstanding performance

Bachelor of Engineering: Information Technology, **2014**

Devi Ahilya Vishwavidyalaya (D.A.V.V) - Indore, Madhya Pradesh, INDIA

Grade: First Division with Distinction (76.75%)

- Worked as Lead Coordinator for Computer Society of India

ACADEMIC PROJECTS

Becton Dickinson- Dashboards using Microsoft's Power BI

- Analyzed health-related data and created dashboards as a developer in a team of four using Power View, Pivot, Query and Map
- Developed training material for BD associates to learn Power BI such as How-To-Videos and User Guide

Face emotion recognition system (Java, OpenCV)

- Member of two-person team that designed algorithm to recognize emotions based on region of interests (ROI) and facial ratios like distance between eyes/width of mouth etc.

Mitigating protocol related Denial of Service (DoS) attacks by E-Guided Tour puzzle

- Member of two person team that researched existing Guided Tour puzzle for prevention against DoS attack and revealed how the puzzle itself is vulnerable
- Designed an algorithm that reduced computational load on the server authenticating clients - gave a more robust & efficient client puzzle mechanism to thwart DoS attacks

Learning & Information Management System (MySQL, JSP and HTML)

- Designed a online database system for managing course related information for D.A.V.V where I worked on ER diagram, database schema and normalization of data

RELATED COURSES

Data structures, Data Science, DBMS, Agile Development, HCI, Analysis of algorithms, Software Engg., Enterprise IT, OS

INDIVIDUAL PROJECTS

Jagged Array(C++)

Built a custom data structure-Jagged Array. Useful to ensure high performance for applications requiring frequent read and write access to organizational information

CodePlayer (JavaScript, jQuery, HTML/CSS)

Developed a website capable of parsing HTML, CSS and JavaScript code as well as outputting the result of all the code combined