

MAHAK SINGH

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EDUCATION

Northeastern University, Boston, MA

Expected August 2020

College of Engineering

Master of Science in Information Systems

Coursework: Database Management and Design, Application Engineering and Development, Web Tools, Programming Structure Algorithm

Rajiv Gandhi Technical University, Mumbai, India

June 2015

Bachelor of Electronics and Communication

TECHNICAL SKILLS

Programming Languages:	C++, Core Java, J2EE, PL/SQL
Operating Systems:	Linux (Ubuntu 16.0), Windows XP
Web Technologies:	HTML5, CSS3, JSP, JavaScript
Frameworks:	Swing, Spring MVC, Hibernate
Database Technologies:	MySQL, Microsoft Suite
Networking:	Protocols, Topologies, OSI Model, TCP/IP, LAN, WAN, MAN

PROFESSIONAL EXPERIENCE

Abhyudaya Multimedia, Indore, MP, India

July 2018 – December 2018

Business Analyst

- Completed analysis for business-optimization projects, reporting tools. Took part in project planning, business modeling, and user acceptance testing
- Helped the organization to achieve 42% reduction in processing time with increased quality, efficiency and satisfied customer service
- Developed process mapping for four business processes
- Helped the organization to achieve 10% increase in gross revenue over the year 2017 with no increase in the capital expenditure
- Mentored new joiners to the project as part of the PPA team at Abhyudaya Multimedia, training them about the methodologies and work structure at the company
- Contributed in databases development and API development issues
- Received sponsorship from the company to do certification course in CDAC (Centre of Development for Advanced Computing), Pune, India in year 2016

ACADEMIC PROJECTS

Vehicle Tracking Systems

September 2014 – November 2014

- Designed to find the exact location of the vehicle using GPS modem and intimate the position to the concerned authority via SMS over GSM modem on periodical interval so set by the user
- Hardware specification includes Atmega 328 micro-controller, GSM module, Max232, connectors, voltage regulator, LCD display, GPS modem, LED, resistors, capacitors, diodes
- Software specification includes Arduino Compiler and MC programming language, C

Real time Fire detection system

January 2014 – April 2014

- Designed to sense the surroundings for the occurrence of fire with the help of LM35 sensor and send to two mobile numbers stored inside the Arduino program if fire is detected using GSM module ..

Care System for Dogs

June 2013 - Dec 2014

- Designed an e-commerce website for dogs along with an option of adopting and sponsoring dogs. Technologies used were J2EE, HTML, Bootstrap while for database designing MySQL was used