Amrit Sahoo

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EDUCATION

Arizona State University	Tempe, Arizona
MS, Computer Science	May 2018

Courses: Foundation of Algorithms, Data Mining, Software Security, Distributed Database Systems, Data Visualization   GPA: 3.9

National Institute of Technology- Trichy	Trichy, India
Bachelor of Technology (CSE)	2010 - 2014

Courses: Algorithms, Data Structures, Cryptography, Operating Systems, Artificial Intelligence, Software Design   GPA: 8.26

PROFESSIONAL EXPERIENCE

Senior Software Engineer *November 2015 – April 2016*
GoZoomo *Bangalore*
- Designed and Developed GoZoomo CRM, the backbone platform handling all business communications and payment transactions to add multiple Customer workflows. Build with Ruby on Rails Stack.
- Applauded for boosting business efficiency and good use of modular design to integrate future business verticals.
- Developed Auction Platform for GoZoomo vehicles. Enhanced the platform to support Multitenancy.

Software Engineer *July 2014 – Nov 2015*
Chronus Corporation *Chennai*
- Improved system uptime by building an Automated Recovery Solution on AWS platform with Ruby SDK. Improved recovery time by 70%.
- Developed various internal tools for Monitoring Emails, Custom Signup workflows and SSO integrations (SAML, OAuth etc). Improved existing security architecture for employee access.
- Improved Core Product Deployment Strategy which reduced the time taken by 40% and suggested better Devops processes in company to increase efficiency.
- Built a Quality Gate - Data population Framework to prevent performance issues. Work received the best internal tool award.

Software Engineer Intern *May 2013 – July 2013*
Chronus Corporation *Chennai*
- Developed a Recommendation System for Chronus Mentor based on Collaborative Filtering technique in Ruby and Redis.

PROJECTS

- **Interactive Data Visualization** of NYC taxi cabs dataset. Used d3.js, Crossfilter.js and Python.
- Backend for Safe Routes, A **Smart Android App** which predicts user's daily travel and prompts with safer routes using Crime data for San Francisco.
- **Secure Banking System**, Led a team of 7 to develop a Feature rich Banking Application with security features like OTP, Captcha etc. using MVC Spring, Java. Introduced Scrum, Agile and Git to the team.
- **Classification of Handwritten digits** and comparison of results using various methods like Artificial Neural Networks and SVM.
- **Educron.com** (Personal Project): A ReactJS single-page application (SPA) to facilitate students in finding a university. http://educron.com Used ReactJS, Firebase.
- Ontology Based Integrated **Recommendation System in E-learning**. A Santhana Vijayan, Amrit Sahoo et al Elsevier 2014

Additional Experience & Achievements

- **ACM-ICPC Amritapuri** 2012 regionals: Ranked 11th in Qualifier and 31/250 in Regionals.
- **Research Intern** at RISE labs IIT Madras (Dr. V. Kamakoti) - Software Router Simulation of various Routing Algorithms.
- **Technology Speaker** at NIT Trichy, Web Team.

TECHNICAL COMPETENCIES

- **Languages:** Python, Ruby, C++, Java, PHP
- **Tools:** Git VCS, Matlab, Amazon Web Services, Redis, MySql, NewRelic, Tableau, D3.js
- **Operating Systems:** Linux and MS Windows