

Amrit Sahoo

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EDUCATION

Arizona State University

MS, Computer Science

Courses: Distributed Database Systems, Data Mining, Data Visualization, Artificial Intelligence, Software Security.

Tempe, Arizona

(Expected May 2018)

GPA: 3.9

National Institute of Technology- Trichy

Bachelor of Technology, Computer Science and Engineering

Courses: Algorithms, Software Design, Cryptography, Operating Systems, Artificial Intelligence, Computer Networks.

Trichy, India

2010 - 2014

GPA: 8.26

PROFESSIONAL EXPERIENCE

Software Engineering Intern

Walmart Labs

- Developed a real-time, Big Data pipeline for analyzing 35 million daily sales transactions from over 5500 Walmart Stores across the country. Created Druid database specs and REST API Service. Used Apache Spark, Spring framework and Druid.

June 2017 – August 2017

Washington D.C

Senior Software Engineer

GoZoomo.com

- Designed and Developed GoZoomo CRM, the backbone platform handling all business communications and payment transactions with multiple Customer workflows. Applauded for boosting business efficiency and using modular design to integrate future business verticals.
- Developed Auctions Platform for GoZoomo vehicles. Enhanced the platform to add support for Multitenancy.

November 2015 – April 2016

Bengaluru

Software Engineer

Chronus Corporation

- 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.
- Developed a Recommendation System for Chronus Mentor SaaS product, based on Collaborative Filtering, using Ruby and Redis NoSQL database.

July 2014 – November 2015

Chennai

PROJECTS

- Interactive Data Visualization** of NYC taxi cabs dataset – Aimed at helping drivers maximize their revenue. *used D3.js, Crossfilter.js and Python Flask.*
- Safe Routes, a Smart Android App** which predicts user's daily travel and prompts with safer routes using Crime data for San Francisco. Developed the Backend Server and Prediction Logic for Safer routes. - *Android, Python Flask*
- Spatio-Temporal Hotspot Computation** of NYC Taxi Big dataset using Getis-Ord statistic. - *Apache Spark, Hadoop HDFS*
- Classification of Handwritten digits** and comparison of results using various methods like Artificial Neural Networks and SVMs. - *Matlab*
- Artificial Intelligence** –Designed an AI bot that plays Lunar-Lander Game using Deep Learning Neural Networks - *Google Tensorflow Framework.*
- Adaptive Class Notes App** – Efficient search and recommendations for a Social based Note-Share platform. -*ElasticSearch, Ruby, Python, Javascript.*

Additional Experience & Achievements

- ACM-ICPC** (*Amritapuri 2012 regionals*) Algorithms contest: 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.
- UC Berkley – CS 188 AI** Course completion certified.

TECHNICAL COMPETENCIES

- Languages:** Python, Java, Ruby, C++, PHP, Javascript
- Tools:** Git, Matlab, Android, Redis, MySQL, Tableau, Apache Spark, Apache Kafka, Hadoop, Druid
- Frameworks:** ReactJS, NewRelic, Ruby on Rails, MVC Spring Boot.
- Cloud:** Amazon Web Services (AWS), Google Compute Engine (GCE).