

MOHARNAB SAIKIA

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EDUCATION

North Carolina State University, Raleigh, NC

Master of Science in Computer Science

GPA: **3.61/4.0**

Expected **May 2017**

Assam Engineering College, Guwahati, India

Bachelor of Engineering in Computer Science and Engineering

First Class Graduate (Honors)

May 2013

PROFESSIONAL EXPERIENCE

Student Programmer

The Graduate School, NC State University

May 2016 – Present

- Develop and maintain the Research Commitment and Tracking System web application (JSP and Servlet based) for the Office of Research, Innovation and Economic Development
- Develop and maintain the Financial Reporting web application for the Centers and Institutes, NC State University
- Automated the creation of the Annual Reports of the Centers and Institutes, NC State University

Associate Software Engineer

Accenture, India

Jan 2014 - May 2015

- Wrote, analyzed and reviewed programs in the **SAP ABAP** development team for the client ABInbev
- Facilitated communication as a release coordinator to ensure effective and timely delivery of changes
- Developed a batch script which helped transfer approx. 10000 user files between two SAP servers
- Created monthly and weekly KPI reports to help analyze and optimize the delivery process

TECHNICAL SKILLS

Languages and Databases

Java, C, Ruby, Python, SAP ABAP, HTML, CSS, JavaScript, MySQL, IBM DB2, MongoDB

Tools and Frameworks

Eclipse, NetBeans, Ruby on Rails, jQuery, Bootstrap, Node.js, AngularJS, Express.js, Git

ADDITIONAL EXPERIENCE AND CERTIFICATIONS

- **IBM DB2 Academic Associate** Certification
- Worked as a **Programming lab assistant** at Assam Engineering College, Guwahati (Aug 2013 - Oct 2013)
- Conducted a 3-day workshop on IBM DB2 which consisted of 73 participants (Oct 2013) at Assam Engineering College

RELEVANT COURSEWORK

Design and Analysis of Algorithms, Operating Systems, Object-Oriented Design and Development, Database Management Concepts and Systems, Software Engineering, Internet Protocols, Distributed Systems, Data Structures.

ACADEMIC PROJECTS

RestoScrapper: Developed a *Ruby on Rails* app along with a Chrome extension that shows aggregated ratings and reviews from Yelp, Trip Advisor and Foursquare with the help of data scraped via a *Python* script.

Metrics for Expertiza: Designed and Implemented a module to generate metrics for peer-reviews in Expertiza - an open source peer-review web application built with the *Ruby on Rails* framework.

LibSys (Online Book Library): Built an MVC *Ruby on Rails* application which allowed users to check out, return and suggest books and also had admins to manage the same. It also supported e-mail notifications and checkout histories.

University Library Management System: Built a library management system in *Java and Oracle DB* with a focus on triggers and procedures which offered management of 3 types of resources – books, cameras and rooms.

E-Store: Developed a simplified online store application using the *MEAN stack* which supported Facebook login and credit card payments via the Stripe API. It also supported multiple currencies via the Open Exchange Rates API.

P2P system with centralized index: Developed a peer to peer RFC transfer system in *Python* where each peer contributes to the system with its RFCs.

Micro shell: Implemented the *micro shell command interpreter in C* which has a syntax similar to UNIX C shell.

Thread Library: Developed a non-pre-emptive *user-level threading library written in C* that supported the routines Create, Yield, Join, JoinAll, Exit and also having support for semaphores.