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CHINMOY JYOTI BARUAH

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EDUCATION

North Carolina State University **Raleigh, NC** **Aug 2016 – May 2018 (Expected)**
- **M.S. in Computer Science, GPA: 3.56**
- **Graduate Coursework:** Design and Analysis of Algorithms, Operating Systems, Object-Oriented Design and Development, Database Management Concepts and Systems, User Experience, Internet Protocols.

KIIT **Bhubaneswar, India** **Sep 2010 – May 2014**
- Bachelor of Technology in Computer Science and Engineering **GPA: 7.25**
- **Undergraduate Coursework:** Computer Network,Discrete Mathematics, Software Engineering, Computer Architecture, Data Structures.

PROFESSIONAL EXPERIENCE

Assistant System Engineer **Tata Consultancy Services, Bangalore** **Sept 2014 - July 2016**
- Took the ownership of understanding, developing and integrating the Communication Hub(External interface which provides capabilities like sending Emails with and without attachments, Dynamic PDF generation) web services. This development and integration had been done in the HDFC life environment for the first time.
- Also was one of the main developers who had the responsibility to design and develop the HDFC Life portal.

LANGUAGES AND TECHNOLOGIES

- Java, C, C++, Ruby, PHP, HTML, CSS, JavaScript, MySQL, Oracle DB
- Ruby on Rails, Android SDK, jQuery, Bootstrap, Git, Eclipse, Linux

TECHNICAL EXPERIENCE

Academic Projects
- **CONVERSATION CLOUD:** Developing an android app which converts speech to text and stores it as data. This data can later be displayed as conversation cloud images for easier interpretation of the conversation as well as acting as an memory aid. This is done by leveraging the Google Voice API and implementing it in our java code.
- **GROUP FORMATION AND MAILER FUNCTIONALITIES FOR EXPERTIZA:** Designed and implemented a module for new group creation with functionalities to review group members using different rubrics available in Expertiza – an open source peer-review web application built with the Ruby on Rails framework. Also, implemented some additional mailer functionalities to receive and send e-mails on different actions that are being performed in Expertiza.
- **PERSONAL HEALTH MANAGEMENT SYSTEM:** Designed and implemented a Personal Health Management Database Application in Java and Oracle DB to assist people to track and manage health status information.
- **SIMPLEDB:** Implemented FIFO based page replacement policy and Undo-Redo algorithm for crash recovery.
- **LIBRARY ROOM BOOKING APP:** Built an MVC Ruby on Rails application which allows user to book rooms in the library and has admins to manage it.
- **PURCHASE ORDER MANAGEMENT SYSTEM (E-COMMERCE SITE):** Web Portal created with help of Struts, Hibernate and for database connectivity, oracle db. Also, implemented the use of MEAN stack which utilized various RESTful APIs like Facebook for login and Stripe for credit card payments. The portal could be used for order placement, processing the order, bill generation and recording the details of final delivery. Demonstrated the understanding of full SDLC and presentation skills.

Personal Projects
- **LIBRARY MANAGEMENT SYSTEM:** Created a java application to be used in Libraries for proper management of books. Gave it to the town Library for management of the Library

ADDITIONAL EXPERIENCE AND AWARDS

- **Oracle Certified Java Programmer(OCJP)** Certification
- Worked as a Programming lab assistant at KIIT, Bhubaneswar (Aug 2013 - Oct 2013)