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EMPLOYMENT

Android Developer	**Tata Consultancy Services, India – Client: Barclays**	**Oct 2013 – Jul 2016**

Digital Gift Card:
  Followed **Agile and Test**-driven methodologies and was involved in developing application from the scratch. Developed application front-end as per the business design team. Integrated **Facebook SDK**. Implemented **GCM** notifications. Extensive use of animations. Built backend with **MySQL** and **RESTful** API's. Around 5**k+** downloads. **Skills:** Android studio, Volley, Postman, SVN.

BMB Application Framework:
  Developed container wrapper API's to simplify developer's task for **gateway communication**. Implemented **Event bus** mechanism to ease communication between components. Built **API wrappers** to integrate social sites, adobe analytics and file operations. Created the Technical specification document along with the test cases, supported System Integration Testing (SIT), and User Acceptance Testing (UAT). Tracked and updated stories in **JIRA**. Currently in use by internal teams to minimize the time needed for the development. **Skills:** Android studio, Event bus, Git.

AliPay:
  Implemented **Barcode** scanning module. **Refactoring** of the existing modules to the greater extent. Developed module Payment, Refund and Transaction History mobile screens to ease merchant payment processing. Simultaneously, worked on the live project named **BMB** to fix the higher priority UI defects. **Skills:** Android studio, Gradle, SVN.

EPOS:
  Designed, developed and implemented backend system. Written **RESTful** web services. Maintained **Data Analytics** for inventory and offer management systems at the front end. Built Onboarding and Login module for both Merchant and Employee using **AWS** (used Linux and MySQL server instance). **Skills:** Spring Boot, Hibernate, JPA, Spring Tool Suite, JSON, Junit, Git.

Customer Chat Bot:
  Built **Proof of Concept** Customer Troubleshooting desktop tool based on **AIML** natural language processing and pattern matching to answer customers queries quickly rather than relying on support team. Typing query would return with multiple answers and steps to resolve the issue. Achieved client appreciation certificate. **Skills:** Java Swing, Servlets, AIML, JavaScript

Java Developer, Intern	**Tata Consultancy Services – Client: HSBC**	**Jul 2013 – Oct 2013**

Workforce Management System
  Replaced **manual resource** handling process with an **automated software tool**. Implemented modules profile filtering, tracking, record generation and role based work lists features. Developed Dashboard module to check recent updates. Tool currently in use internally by Project Manager teams at TCS. **Skills:** Java, JSP, Servlets, CSS, HTML, JQuery, Ajax, Tomcat, IBM DB2, JavaScript, Dojo

EDUCATION

Masters in Computer Science	**SUNY – Binghamton**	**Aug 2016 – May 2018**

Courses: Adv. Object Oriented Programming; Machine Learning; Computer Architecture; Algorithms; Systems Programming; Programming Languages; Operating Systems. **GPA:3.7/4.0**

Bachelor in Computer Science	**GECA – India**	**Apr 2009 – Apr 2013**

Dean's list for consecutive 3 semesters **GPA:8.9/10.0**

TECHNICAL PROJECTS

- **Interpolate Format (2017)**. Printf style format accepting IO manipulators. Aiming to achieve simplified version of Printf and cout in a single function call. C++14, Linux.
- **Matrix multiplication IPC (2016).** Implemented client-server matrix multiplication using inter-process communication mechanism such as anonymous pipes, named pipes, sockets, and shared memory. C, Linux
- **JProbes to track page faults (2016).** Implemented kernel module that logs all the virtual addresses of a running process and the time at which process generates page faults. Written user application to display the output on the console. C, Linux, GCP
- **Multiple producer and consumer problem (2016).** Concurrent implementation of multiple producer and consumer producing lines at the user level and consuming them by the device driver and displaying again at the user level. Developed synchronization in the kernel module. C
- **Decision tree and reduced error pruning algorithm (2017).** Trained a classifier with a huge dataset of CSV files by preprocessing and performing feature selections to construct the decision tree for the classification. Performed pruning on trained classifier. Linux, Python.
- **Spam Filters (2017).** Use Naïve Bayes', LRMCAP, Perceptron to filter emails spam or ham on huge dataset. Linux, Python

ADDITIONAL EXPERIENCE AND AWARDS

- **Instructor (2013):** Supervised 10 students C, C++ technical skills during Initial Learning Program TCS Training. Conducted technical workshops.
- **Third Prize, Senior Projects:** Awarded 3rd prize for AJAX Web Browser project, out of 10 projects during intra-college project competition.
- **Head, Event Organization Committee:** Managed a team of 15 people for organizing various social and technical events at GECA.
- **Problem Setter for CompsaFest'12:** Set problems for C programming contest in 2012 at GECA.

Languages and Technologies

- C++; C; Java; Python; JavaScript; SQL; HTML; CSS
- Android Studio; Eclipse; Spring Tool Suite; Git
- MySQL; Oracle; SQLite