**ASHWIN Balachandran**

Irvine, California 92612 | 949-414-1157 | [balachaa@uci.edu](mailto:balachaa@uci.edu)| [linkedin.com/in/ashwinbalachandran/](http://www.linkedin.com/in/ashwinbalachandran/)| [github.com/ashwinbalachandran](https://github.com/ashwinbalachandran)

**SUMMARY**

* Currently a Master of Computer Science student at University of California, Irvine.
* Worked for a Telecommunication based company as an Engineer involved mainly in product development. Responsible for design, development and quality assurance of payment services and collaborated with other teams in quality assurance, system administration, and database management.

**EDUCATION**

University of CALIFORNIA, IRVINE, Irvine, California **December 2019**

**Master of Computer Science,** GPA: 3.76

**Courses:** Operating Systems, Introduction to Artificial Intelligence, Computer Architecture, Computer Security, Advanced Programming and Problem Solving and Introduction to Internet of Things, Data Structures, Fundamentals of Algorithms, Machine Learning and Data Mining

Manipal Institute of Technology, Manipal, Karnataka, India **May 2016**

**B. Tech, Information Technology,** CGPA: 7.61/10

**SKILLS**

Programming Languages: Java, JavaScript, C, C++, HTML/CSS, Struts, Hibernate, Spring

Databases/Build: Oracle, MySQL, Pentaho (Kettle Project), Apache Tomcat & Maven, Bash scripting

Operating Systems: Windows, Linux/Unix (RHEL, Solaris, CentOS, Ubuntu, Mint, Fedora, Manjaro, xv6)

Dev Ops: Tortoise SVN, JIRA, Crucible, Git

Spoken Languages: English, Hindi, Malayalam

**EXPERIENCE**

Mahindra Comviva, Gurugram, Haryana **August,2016 – July,2018**

**Engineer – Product Development,** Africa Integrated Operations

* Developed, designed and deployed financial services for company’s mobile financing solution.
* Technologies used were Java, JSPs, Oracle, HTML, Struts, Hibernate.
* Deployed product in eight central African countries; oversaw development of several last-minute client requests and bug fixes. I have helped squash several crucial bugs that played an important part in getting the client’s sign-off.
* Made changes to existing and new services to handle upwards of 1,000,000 customers and 50 transactions per second that included peer-to-peer payment, micro loans, multi-vendor bill payment and other customer services.
* Created data reports for agents in our system to track daily transactions using Pentaho’s Data Integration tool, wrote a simple program to auto circulate these reports internally simultaneously after generation.

**OTHER PROJECTS**

**Minesweeper Solver •Project for the Artificial Intelligence course** **•Java**

* Implemented a Java program to predict the next move in a minesweeper game.
* Used graph search to match with a set of patterns to predict the next move depending on the current state of the game.
* Algorithm solves 57% beginner, 42% intermediate and 1% expert worlds tested on sets of million random worlds.

**Implementation of Local Binary Patterns •Research project in image compression •C++ •OpenCV**

* Implemented an image compression algorithm using the concept of Local Binary Patterns in C++ along with OpenCV libraries.
* Used local binary patterns as a predictive algorithm for image compression and reconstruction.
* Produced images that had a 12% higher compression ratio compared to JPEG.