

# **ANKITA PANDIT**

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## **WORK EXPERIENCE**

**Software Engineer, Honeywell Technology Solutions Lab, Bangalore, Karnataka, India** Jul 2017 - Jul 2018

- Conceptualized and developed web interface for flight maintenance and connectivity, along with automated startup of all aircraft domain applications and RADIUS server setup for authentication and authorization of incoming connections.
- Technologies: R&D, FastCGI, Lighttpd web server, C++ based interface setup and use of Reactor Pattern Framework (Publish-Subscribe Model), AAA setup with RADIUS Server and bash scripting (init)
- Curated 12 editions of SATCOM advanced research tabloid for Aerospace department.
- Received Bravo award in recognition of work done for the team (both technical and team building organization).
- Honeywell Lean Six Sigma Green Belt Certification (05 Mar 2018) – Automation of testing process. The software is intuitive and automatically creates test file structure along with the skeleton of the testing code. This is plugged into Google C++ testing framework.

**Technical Intern, KPMG Global Services, Bangalore, Karnataka, India** Jan 2017 - May 2017

- Independently architect and implement Profit & Loss Report Automation software including timesheet.
- Technologies: Visual Basic Application for MS Excel and MS Access

**Technical Intern, Linit Exports Private Limited, Mumbai, Maharashtra, India** Jun 2016 – Jul 2016

- Addition of navigational pages containing QR codes and Bar codes for Order Sales Management and migrating web server in-house to improve the existing ERP for economical usage.
- Technologies: Web Development using core PHP, HTML, JavaScript

## **EDUCATION**

**University at Buffalo – State University of New York, Buffalo, New York, USA** Aug 2018 – Feb 2020

**Master of Science, Computer Science and Engineering**

Algorithm Analysis & Design, Advanced Information Retrieval, Computer Security, Distributed System, Data Intensive Computing, Computer Vision & Image Processing, Object Oriented Design, Project Management

**Manipal Institute of Technology, Manipal, Karnataka, India** Aug 2013 - May 2017

**Bachelor of Technology, Computer and Communication Engineering**

Wireless Communication Computing, Cloud Computing, Multimedia Communications, Data Structures, Object Oriented Programming, Operating System, Database Systems, Data mining & Predictive Analysis, Software Design Technologies, App Development

## **TECHNICAL SKILLS**

- **Operating Systems:** Ubuntu, Windows, RHEL 5.0, Windows Server 2008 R2, Raspbian, Debian
- **Programming Language:** C, C++, Java, Python, PHP, HTML, CSS, XML, SQL, Bash, Batch, R, JavaScript, Hadoop, AJAX
- **Softwares:** Adobe Photoshop, Microsoft Office, PyCharm, Jupyter, NetBeans, Eclipse, Microsoft Visual Studio, MySQL, Linux Terminal, Keil Software, Cisco Packet Tracer, Rapid Miner, MAX PLUS II, Infosphere Studio, WAMP, Android Studio, Wireshark, Abyss Web Server, Apache Tomcat, Lighttpd, Metasploit, OpenSSL, NFS3, RADIUS, Apache Solr, Remix IDE, Docker, VirtualBox, EC2, Git, MongoDB, JIRA, Microsoft Visio, Enterprise Architect, IBM DOORS, BitBucket, SQLite, MiniTab, Libelium Waspnote, Tableau, Cloudera Hadoop

## **ACADEMIC PROJECTS**

- **Data Digest** – Implementation of text extraction and summarization application for election violence. The data source is news and social media such as Twitter. [Python Flask, HTML5, CSS3, JavaScript, Apache Solr, Google Maps API]
- **Tweet Analyzer** – Implementation of search and analysis on Twitter data like sentiment analysis, distribution graphs, word cloud, trending hashtags indexed on Apache Solr. [Python Flask, HTML5, CSS3, JavaScript, Amazon AWS, Apache Solr]
- **MyWaypoints** - Design and deploy distributed systems using basic client-server application displaying and storing weather and waypoints along the route selected using GUI. [Python Flask, Google Maps API, OpenWeather API, HTML5, CSS3, JavaScript]
- **Large Scale Publish-Subscribe model** – Emulating distributed publish-subscribe model using Docker containers. [Python Flask, Docker, HTML5, CSS3, AJAX, JavaScript]
- **Topical data analysis of Influenza/flu from CDC and social media (Twitter)** – Analyzing the data from the two sources using different visualization techniques and presenting the evidence of the difference in the patterns of identifying Flu from the two sources. [R, RStudio, Jupyter]
- **Big Data Analysis on multiple sources** – Analyzing data on given topic from 3 different sources (Common Crawl, New York Times and Twitter) using Hadoop and visualizing pertinent data. [Python, Tableau, Hadoop Map Reduce, NYT API, Twitter API]
- **Doctor Appointment app** - Implementation of doctor appointment booking app with cloud support [Android Stack, IBM BlueMix]
- **Gaming sales Analysis** – Analysis of gaming sales data for pattern analysis using Hadoop [Hive, Pig Latin script, MapReduce, R]