

ANKITA PANDIT

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WORK EXPERIENCE

SOFTWARE ENGINEER, HONEYWELL TECHNOLOGY SOLUTIONS, BANGALORE, 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).
- SIX SIGMA CERTIFIED GREEN BELT CERTIFICATION – HONEYWELL {MARCH 2018} - Project to automate testing process. The software is intuitive and automatically creates test file structure along with the skeleton of the testing code. This is directly plugged into Google C++ testing framework. The project saving is approximately \$25,000.

TECHNICAL INTERN, KPMG GLOBAL SERVICES, BANGALORE, 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

INTERN, LINIT EXPORTS PVT. LTD, MUMBAI, 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 – SUNY AT BUFFALO, BUFFALO, NY, 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 16.04 & above, Windows 2000 & above, RHEL 5.0 and above, Windows Server 2008 R2, Raspbian, Debian
- **Programming Language:** C, C++, Java, Python, PHP, HTML, CSS, XML, SQL, Bash, Batch, R, JavaScript, Hadoop, AJAX
- **Software/Library:** 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

ACADEMIC PROJECTS

- **Data Digest** – Implementation of text extraction and summarization application for election violence. The data source is typically news and social media such as Twitter. [Python Flask, HTML5, CSS3, JavaScript, Apache Solr]
- **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 service-based distributed systems using basic client-server application that displays and stores weather and waypoints along the route selected using GUI. [Python Flask, HTML5, CSS3, JavaScript]
- **Pub-Sub model implementation** – Emulating distributed publish-subscribe model using Docker containers. [Python Flask, Docker, HTML5, CSS3, AJAX, JavaScript]
- **Event Management Contract** – Build an understanding of Ethereum Blockchain by deploying an 'Event Management System' on Blockchain using Solidity and Remix IDE. [Solidity]
- **Topical data analysis of Influenza/flu from CDC and social media (Twitter)** – Analyzing data from the two sources using different visualization techniques and presenting evidence of the difference in the patterns of identifying Flu from the sources. [R]
- **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]
- **Doctor Appointment app** - Implementation of doctor appointment booking app with cloud support [Android Stack, BlueMix]
- **Gaming sales Analysis** – Analysis of gaming sales data for pattern analysis using Hadoop [Hive, Pig Latin script, MapReduce, R]
- **Air Quality Analysis** – Analyze air quality using various wireless sensors and present statistical proof of the data [Waspnote]