ANKITA PANDIT

173 Callodine Avenue, Buffalo, NY 14226 • 7166031325 • ankimit7@gmail.com
https://www.linkedin.com/in/ankitapandit • https://www.github.com/ankitapandit • https://ankitapandit.github.io/portfolio/

WORK EXPERIENCE

Software Engineer, Honeywell Technology Solutions Lab, Bangalore, Karnataka, India   **Jul 2017 - Jul 2018**
- Developed multiple APIs web interface for flight maintenance and connectivity using C++.
- Baselined server based on requirements and testing.
- Supported in units of startup automation of aircraft domain applications using bash scripting.
- Supported in units of setting up RADIUS server for authentication and authorization of incoming connections.
- Curated 12 editions of SATCOM advanced research tabloid for Aerospace department.
- Honeywell Lean Six Sigma Green Belt Certification (05 Mar 2018) – Automated the testing process to match requirements of Google C++ testing framework. The software is intuitive and automatically creates test file structure, along with the skeleton of the testing code. This is then plugged into Google C++ testing framework.

Technical Intern, KPMG Global Services, Bangalore, Karnataka, India   **Jan 2017 - May 2017**
- Architected and implemented Profit & Loss Report Automation software including timesheet using VBA.

Technical Intern, Linit Exports Private Limited, Mumbai, Maharashtra, India   **Jun 2016 – Jul 2016**
- Added a few navigational pages to Order Sales Management portal using web stack.
- Migrated web server in-house to improvise existing ERP for economical usage.

EDUCATION

University at Buffalo – State University of New York, Buffalo, New York, USA   **Aug 2018 – Feb 2020**
Master of Science, Computer Science and Engineering
Coursework: 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
Coursework: 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

- Programming Language: C, C++, Java, Python, PHP, HTML, CSS, XML, SQL, Bash, Batch, R, JavaScript, Hadoop, AJAX
- Softwares: MySQL, Linux, WAMP, Wireshark, Abyss Web Server, Apache Tomcat, Lighttpd, Metasploit, OpenSSL, NFS3, RADIUS, Apache Solr, Docker, VirtualBox, EC2, Git, MongoDB, JIRA, Microsoft Visio, Enterprise Architect, IBM DOORS, BitBucket, SQLite, MiniTab, Libelium Waspmote, Tableau, Cloudera Hadoop, Amazon Web Services (AWS)

ACADEMIC PROJECTS

- Data Digest – Implemented text extraction and summarization for election violence. The data source used was news and social media such as Twitter. [Python Flask, HTML5, CSS3, JavaScript, Apache Solr, Google Maps API]
- Tweet Analyzer – Implemented search and analysis tool 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 - Designed and deployed 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 – Emulated 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) – Analyzed the data from the two sources using different visualization techniques and presented the evidence of the difference in the patterns of identifying Flu from the two sources. [R, RStudio, Jupyter]
- Big Data Analysis on multiple sources – Analyzed data on given topic from 3 different sources (Common Crawl, New York Times and Twitter) using Hadoop and visualized pertinent data. [Python, Tableau, Hadoop Map Reduce, NYT API, Twitter API]
- Doctor Appointment app - Implemented doctor appointment booking app with cloud support. [Android Stack, IBM BlueMix]
- Gaming sales Analysis – Analyzed gaming sales data for pattern analysis using Hadoop. [Hive, Pig Latin script, MapReduce, R]