

ANKITA PANDIT

[Mobile](#) | [Email](#) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#) | [Personal Website](#)

TECHNICAL SKILLS

- **Programming Languages:** Bash, C++, Java, JavaScript, PHP, Python, Ruby, SQL
 - **Web Development:** CSS, Flask, HTML, jQuery, JSON, React.js
 - **Database & Cloud:** AWS, Docker, IBM BlueMix, MongoDB, MySQL, Snowflake, SQLite
 - **Security & Encryption:** OpenSSL, RADIUS
 - **Big Data Platforms:** Apache Hadoop, Cloudera, Teradata
 - **Web Servers:** Lighttpd, WAMP
 - **Tools & Software:** Apache Airflow, Apache Solr, Apache Tomcat, Docker, Enterprise Architect, Git, Jenkins, JIRA, Jupyter, Libelium Waspnote, Metasploit, MiniTab, Tableau, Wireshark
-

WORK EXPERIENCE

Data Engineer | Cognizant Technology Solutions | College Station, TX

Dec 2020 – Jul 2024

- Worked with a renowned Big Five tech client on multiple projects involving data movement from RDBMS/Hadoop based systems to cloud databases such as Snowflake and Iceberg; ETL tool for multi-source data; comparison tool to help identify differences between systems/data sources and the impact on different users.
- Data movement from legacy to cloud systems involved automating the migration process using Python scripts for pre-migration steps such as identify and resolve dependencies of an object, request validation, analysis of the objects requested for migration, creating snapshot between data replication layers, ongoing migration steps such as monitoring and maintaining the watchdog systems and maintaining appropriate data load distribution to ensure availability of the DR systems, finding the right approach for the data transfer, post-migration steps such as data quality check, snapshot cleanups. Automating one of the larger portions of the migration helped the team save up considerable fraction of their time spent on this daily task.
- Designed and developed ETL pipeline for multi-source data (Hadoop, Oracle DB, Kafka) along with testing pipelines for multiple sub-domain applications.
- Automation script for identifying the differences between old systems and new systems along with scope of impact of this change on applications across a business unit and its dependent customers. The script ultimately provided users with a summary on the scope of each type of change and the impacted users, businesses and applications. Graphical representation was also provided to give a high-level summary and in-depth information. This helped multiple business units and teams save up on almost 70% of the manual effort involved in obtaining the information on scope of impact of the vital systems.
- Automation script for comparing data from 2 different systems and provide the points of differences and comparison summary on sampled data. This helped increase the productivity of my team by approximately 80% avoiding manual data comparison on queried data and summarizing the differences.
- Maintain existing applications and provide active support on issues reported by customer such as bug fixes or data correction or code correction.
- Led and collaborated with a small team to achieve project goals, increasing overall throughput by 40%.

Software Engineer | Cerner Corporation | Kansas City, MO

Mar 2020 - Jun 2020

- Designed and implemented a web application for virtual campus tours using React.js and Ruby on Rails, enabling new hires to familiarize themselves with company campuses remotely.

Software Engineer | Honeywell Technology Solutions Lab | Bangalore, India

Jul 2017 - Jul 2018

- Baseline, implemented and tested APIs for flight maintenance and connectivity in C++.
- Integrated and automated aircraft domain applications using bash scripting and setting up a RADIUS server for AAA validation of incoming connections.
- Achieved a Lean Six Sigma Green Belt Certification by automating the Google framework in C++ which intuitively creates test file structures and base code required for testing our codebase saving the company approximately \$30,000 annually.

Technical Intern | KPMG Global Services | Bangalore, India

Jan 2017 - May 2017

- Engineered in-house Profit & Loss Report Automation tool including timesheet application using Microsoft VBA, which streamlined financial reporting reducing manual efforts and eliminated the need for expensive third-party software.

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

- Enhanced the Order Sales Management portal by adding QR code-based tracking and improving the UI/UX with new navigational features using HTML5, CSS3, jQuery, JavaScript, PHP.
-

EDUCATION**M.S. in Computer Science and Engineering****University at Buffalo – State University of New York, Buffalo, NY****Aug 2018 – Feb 2020**

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

B.Tech in Computer and Communication Engineering**Manipal Institute of Technology, Manipal, India****Aug 2013 - May 2017****ACADEMIC PROJECTS**

- **Data Digest** – Python-based application for text extraction and summarization on election violence using news and social media (Twitter) as my data source. [Python Flask, HTML5, CSS3, JavaScript, Apache Solr, Google Maps API]
- **Tweet Analyzer** – Python-based application for searching and analysis tool like sentiment analysis, distribution graphs, word cloud, trending hashtags on Twitter data indexed using Apache Solr. [Python Flask, HTML5, CSS3, JavaScript, AWS, Apache Solr]
- **MyWaypoints** - Designed 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]
- **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 MapReduce, NYT API, Twitter API]
- **Doctor Appointment app** - Implemented doctor appointment booking app with cloud support. [Android Stack, IBM BlueMix]