

ANKITA PANDIT

+1 (716) 603 - 1325 | ankita.pandit.325@gmail.com

[LinkedIn:ankitapandit](#) | [GitHub:ankitapandit](#) | [Portfolio](#) | [Personal Website](#)

PROFESSIONAL SUMMARY

Versatile Data and Software Engineer with experience in building scalable systems and improving data workflows. Skilled in automating processes, enhancing application reliability and delivering efficient solutions to complex problems. Known for leading large-scale migrations and driving impactful results through innovative approaches. I bring a balance of technical expertise and practical problem-solving to every project.

TECHNICAL SKILLS

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

WORK EXPERIENCE

Data Engineer | Cognizant Technology Solutions | College Station, TX

Dec 2020 – Jul 2024

- Led cross-functional teams on multiple high-impact projects for a Big Five tech client, achieving a 40% improvement in project throughput in less than a year.
- Automated data migration from legacy systems to cloud platforms using Python scripts; streamlined pre-migration, ongoing monitoring and post-migration, resulting in a 65% reduction in manual workload for the team.
- Designed and implemented scalable ETL pipelines for multi-source data integration and testing across diverse applications.
- Automated the comparison of legacy and new systems evaluating the scope and impact of changes on applications, business units and dependent customers. Created dynamic visualizations highlighting the impact on users, businesses and applications. This solution reduced manual effort by 70% across multiple teams, streamlining impact analysis for critical systems.
- Automated data comparison between different systems and provide the points of differences and 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.
- Provided end-to-end application maintenance, addressing customer-reported issues, including bug fixes, data corrections and code updates.

Software Engineer | Cerner Corporation | Kansas City, MO

Mar 2020 - Jun 2020

- Implemented a web application using React.js and Ruby on Rails for virtual campus tours, enabling new hires to explore company campuses remotely.

Software Engineer | Honeywell Technology Solutions Lab | Bangalore, India

Jul 2017 - Jul 2018

- Developed APIs in C++ to enhance flight maintenance and connectivity.
- Enhanced aircraft applications integration using Bash scripts.
- Configured and deployed a RADIUS server to enable AAA (Authentication, Authorization and Accounting) validation for secure incoming connections, enhancing system reliability and security.
- Earned a Lean Six Sigma Green Belt Certification for automating the Google framework setup in C++ which intuitively created test file structures and base code that was required for testing codebase, saving the company \$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.

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

EDUCATION

M.S. in Computer Science and Engineering

Aug 2018 – Feb 2020

University at Buffalo – State University of New York, Buffalo, NY

B.Tech in Computer and Communication Engineering

Aug 2013 - May 2017

Manipal Institute of Technology, Manipal, India

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, NY 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]