

Ankita Pandit

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Work Experience

Cognizant Technology Solutions

College Station, TX

Data Engineer

Dec 2020 – Jul 2024

- Led cross-functional teams on high-impact projects for a Big Five tech client, improving project throughput within a year.
- Automated data migration from RDBMS to cloud warehouse by streamlining the migration process using Python scripts, resulting in a 65% reduction in manual workload for the team.
- Designed and developed ETL pipelines for multi-sourced data integration. Managed end-to-end applications including bug fixes, data corrections and code updates.
- Automated the process of impact analysis for movement from legacy system to new system on applications and BUs displayed using dynamic visualizations highlighting the overall impacted scope. This reduced manual effort by 70% across multiple BUs streamlining impact analysis for their critical systems.
- Automated data comparison between different systems and provide summary on sampled data. This increased team productivity by approximately 80% avoiding manual data comparison on queried data and summarizing the differences.

Cerner Corporation

Kansas City, MO

Software Engineer

Mar 2020 - Jun 2020

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

Honeywell Technology Solutions Lab

Bangalore, India

Software Engineer

Jul 2017 - Jul 2018

- Developed APIs in C++ to enhance flight maintenance and connectivity along with integrating the aircraft applications using Bash.
- Configured and deployed RADIUS server (AAA validation) 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, resulting in \$30,000 savings annually.

KPMG Global Services

Bangalore, India

Technical Intern

Jan 2017 - May 2017

- Engineered P&L tool including timesheet application using MS VBA which streamlined financial reporting and eliminated the need for outsourced or licensed software, resulting in significant cost savings.

Education

University at Buffalo – State University of New York

Buffalo, NY

Master of Science in Computer Science and Engineering

Aug 2018 – Feb 2020

Manipal Institute of Technology

Manipal, India

Bachelor of Technology in Computer and Communication Engineering

Aug 2013 - May 2017

Projects

- **Data Digest** - Python-based application for text extraction and summarization on election violence. [Python, Flask, HTML5, CSS3, JavaScript, Apache Solr, Google Maps API, NYT API, Twitter API]
- **Tweet Analyzer** - Python-based application for searching and analysis tool like sentiment analysis, distribution graphs, word cloud, trending hashtags. [Python, Flask, HTML5, CSS3, JavaScript, AWS, Apache Solr, Twitter API]
- **MyWaypoints** - Designed distributed systems using basic client-server application displaying weather and waypoints along the route selection. [Python, Flask, Google Maps API, OpenWeather API, HTML5, CSS3, JavaScript]
- **Multi-sourced Data Analysis** - Analyzed data on given topic from 3 different sources (Common Crawl, NYT and Twitter) using Hadoop and create dynamic visualizations. [Python, Tableau, Hadoop MapReduce, NYT API, Twitter API]
- **Doctor Appointment Android app** - Implemented doctor appointment booking app with cloud support. [Android Stack, IBM BlueMix]

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.