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 by 55% within a year.
- Automated data migration from RDBMS to cloud warehouse by streamlining the migration process (i.e. object dependency and resolution, request validation, DR snapshot creation, monitoring and maintaining watchdog systems and LB for DR availability, dynamic adoption of data transfer method, data quality check post transfer and snapshot cleanup) using Python, resulting in a 65% reduction in manual workload for the team.
- Designed and developed ETL pipelines for multi-sourced (Hadoop, Oracle DB, Kafka) data integration and managing these applications including bug fixes, data corrections and code update.
- Assisted with GDPR compliance tool integration with the ETL applications that helped in the reduction of legal flags associated with domain application by almost 9%.
- 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 and scope of changes required. 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.

Oracle Health (formerly 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]

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.