

Priyanshu Gandhi

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EXPERIENCE

LTI | Senior Data Engineer

(Aug '19 – Present)

- Senior Data Engineer with extensive experience in design and development of data analytics and warehousing solutions using business intelligence and cognitive analytics.
- Product Lead, LTI Canvas PolarSled - Developed and led the engineering efforts of LTI's flagship platform Canvas PolarSled enabling accelerated Data-driven Cloud Transformation to Snowflake Cloud Platform.
- Responsible for expediting the cloud journey for various customers in BFS, Healthcare, Manufacturing domain from years to months with an automation-first approach and ensuring the elimination of embedded legacy platform's technical debt.
- Played a Key role in successfully pitching "Canvas PolarSled" to 15+ clients across US, Europe and Asia-Pacific and contributing significantly towards revenue of USD 15+ million over the last one year.
- Developed a Cloud Migration suite for accelerating the cloud-based computing strategy for large banking customer helping them in rationalization, consolidation & simplification of legacy landscape enabling a cost-efficient architecture.
- Implemented an Intelligent translation engine for automated legacy code translation which converts complex SQL, PL/SQL, BTEQ scripts to a cloud compatible equivalent with multiple query engine support.

ThoughtClan, Bangalore | Software Engineering Intern

(Jun '18 - July '18)

- Developed a solution for identifying facial features integrated with age, gender and emotion classifier using Neural Networks.
- Implemented a Convolutional Neural Network to extract features and identification using a single data entry.
- Achieved an accuracy of 86.2 % (77% baseline) on a dataset from the over 15 classes and exposed the solution as an API for future uses.

TECHNICAL SKILLS

Programming languages: Python, Java, C/C++, Pyspark

Databases: Cloud - Snowflake, Redshift, Synapse | **On-Prem** - Teradata, MySQL, Oracle | **NoSQL** - MongoDB

Packages: Pandas, NumPy, Sci-kit Learn, Matplotlib, Scipy, Pytorch, Keras, OpenCV

Web Development: HTML, CSS, JavaScript, jQuery, Bootstrap, Spring Boot

Tools & Platforms: Azure, AWS, Git, Apache Spark, Kafka, Airflow, Visual Studio, Vim, Maven, Anaconda

PROJECTS

STARS Replatforming

- Redesigned the STARS solution to Optimize the cost with Operations, Development, Platform utilization and increase the operational stability and application robustness.
- Enhanced the efficiency of several accelerators in the project by adding optimizations on top of it. Implemented multithreading and multiprocessing to split data in chunks and compress in parallel which improved the performance by 20X compared to original speed.
- Developed a Data Validation component to compare the big-data (TB) across the platforms thereby automating the testing process. Added support for multiple filters, multi-select columns, batch mode validations to expedite the reconciliation.
- Identified the existing technical debts, performance gaps and applied technical fixes - Dynamically increase/decrease Warehouse size, materialize view into table, clustering data, functional rewrite of code to meet the SLA's.

Canvas PolarSled

- Developed and engineered LTI's Flagship platform Canvas PolarSled addressing the core challenges of designing, accelerating, and governing a data transformation journey to cloud with an end to-end automation-led implementation/migration toolkit.

Med-Help

- Built an application that helps in digitizing health records for patients and developed a digital prescription platform for doctors and clinics. The primary objective was to centralize the health record system.

UCEverything

- An application specifically aimed for blind people which turns their visual world into an audible experience recognizing faces, describing scene and reading text. Developed as a part of an International Hackathon where we ended up at 6th position out of 220 participant teams.

Bus Navigator

- Developed a solution to solve the problem of bus navigation and tracking within the college. A web application that gives complete information namely the bus number, bus timings, the routes through which the bus would pass, time taken for the bus to reach and the exact location of bus.

EDUCATION

Examination	University	Institute	Year	CPI/%
Graduation	R.G.P.V	Medi-Caps Institute of Science & Technology	20 19	7.93
Intermediate/+2	C.B.S.E.	Holy Trinity School	20 15	90.00
Matriculation	C.B.S.E.	Holy Trinity School	20 13	9.20

PUBLICATIONS

Creating Internet of Things for the benefit of Indian Society

- P. Gandhi, R. Sharma and A. Maheshwari ”[Creating Internet of Things for the Benefit of Indian Society](#)” 2019 International Conference on Wireless Communications Signal Processing and Networking (WiSPNET), 2019, pp. 35-40.

ACHIEVEMENTS & LEADERSHIP

- **Business Today International Conference:** Represented India globally at **the International Conference by Princeton University and Wall Street Journal in New York, USA** comprising of students from 38 different countries from an applicant pool of 2000+ students and got featured in the Wall Street Journal.
- Awarded the **brightest Engineer of India by Economic Times 2019** from among 37,000 engineers all over the country.
- **HackTheNorth, University of Waterloo, Canada:** Among top 500 candidates selected from all over the world for HackTheNorth, one of the World’s biggest hackathon.
- **Microsoft Learn Partner, Microsoft:** Recognized for my contributions, passion and commitment to the program and selected as one of the Beta Tech Lead out of 10K+ MLSAs across the globe to build Microsoft communities on the campus and share the knowledge and passion for technology with their fellow students.
- **Google Tech Intern, Google India:** Selected as one of the top 30 interns from all over the country for Google Tech Intern Connect at Google Bangalore Office.
- **Summer School Intern, IISc Bangalore:** Selected among the 86 bright students from all over the country to attend the 6th Undergraduate Summer School.
- Recipient of **CSS Scholarship by MHRD** for being amongst top 1 percentile in 12th HSC Board Examination.

POSITIONS OF RESPONSIBILITY

- **Executive Member, National Service Scheme:** Created awareness on food wastage, organized volunteer drives in campus and villages. Directed street plays on plastic side effects, AIDS awareness (**C-Certificate**)
- **Founder and President, MUCoders, Medi-Caps University CodeChef Chapter:** Organized programming events, competitions, workshops and invite distinguished speakers.
- **Co-Founder, MU Management Club, Medi-Caps University:** Organizing and managing all the major and minor events of the Institution. Fostering lasting ties between alumni in general management roles and current students for continued mentoring and support.