

SAHIL PANCHAL

Graduate Data Engineer

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[Linkdin](#)

[Github](#)

[EPortfolio](#)

Brisbane,QLD/ Willing to move

WORK EXPERIENCE

HomeGuardian.Ai
10/2024 – Present
Gold Coast, AU

Technical Support

- Assisted customers in maintaining device connectivity, troubleshooting technical issues, and ensuring seamless operation of systems.
- Utilized Metabase to get device data and reporting to identify device performance trends and resolve technical problems efficiently.
- Executed Linux-based scripts to retrieve and analyze device logs, enabling swift diagnosis and resolution of issues.
- Provided clear guidance to customers on technical workflows, ensuring a positive user experience and improved system reliability

MyUpdates24
09/2024 – 11/2024
Remote

Research Analyst Intern

- Conducted in-depth market research and analysis to identify trends and insights, supporting the development of strategic reports.
- Assisted in data collection, organization, and presentation, ensuring accuracy and clarity for team decision-making.
- Worked under the guidance of Vibhu Sharma to complete key research projects, meeting tight deadlines with attention to detail.
- Recognized for hard work, dedication, and valuable contributions during the internship program.

Cinefly
07/2023 – 10/2023
Gold Coast, AU

Data Analyst Intern :- User Engagement Analytics

- Led a comprehensive project on customer-generated video analysis, leveraging advanced Natural Language Processing (NLP) and Generative AI techniques.
- Collected, processed, and analyzed raw video data, demonstrating expertise in data interpretation and manipulation.
- Implemented Google Speech Recognition API and NLP API for audio analysis, and Google Video Intelligence API for visual data processing.

Max-Kelsen
10/2022– 11/2022
Brisbane,AU

Machine Learning Intern. :- Health care analytics

- Enhanced computer vision pipelines by optimizing data pre-processing, augmentation, and model inference speed, improving medical software performance.
- Collaborated with senior machine learning engineers on data pipeline development and report generation, utilizing Slack and Confluence.
- Managed and streamlined data pipelines for large-scale medical imaging datasets, tracking progress and resolving issues via Atlassian Jira.

MOBA Mobile
Automation
10/2020 - 11/2020
Gujarat, India

Python/ML Intern :- Retail analytics

- Built predictive models using Python and machine learning, including time series analysis, to improve system performance and accuracy in fuel theft detection

Woolworths
04/2022 - 11/2022
Gold Coast, AU

Customer Service Staff

- Gained strong communication and problem-solving skills while assisting customers. Developed efficiency in handling tasks under pressure, improving team collaboration and time management

7-Eleven
07/2022 - 04/2024
Brisbane, AU

Customer Service Staff

- Provided excellent customer service, addressed inquiries, and maintained a welcoming store environment. Assisted with daily operations and organizing displays for an enhanced shopping experience.

SKILLS

- **Programming Languages:** [Python](#), R, [SQL](#) (PostgreSQL, Mongo-DB).
- **Technologies:** Django, Linux, Data Visualisation :- Tableau, Looker Studio
- **DE:** Data Pipelines/Warehouse, ETL, Data Modelling, snowflake
- **Cloud Platforms:** Google Cloud Platform ([GCP](#)) (Big Query, Airflow, Data Fusion, APIs)
- Excel (VLOOKUP, Conditional Format, Pivot-table)
- [Machine Learning](#), Computer Vision, Keras, NLP, Sci-Kit Learn, GIT

EDUCATION

Griffith University
2022 - 2024

Master of Information Technology: Data Analytics

Gold Coast, Queensland

LDRP Institute of
Technology
2017 - 2021

Bachelor of Technology: Computer Science

Gandhinagar, India

PROJECTS [Link](#)

Automated Employee Data Pipeline Using GCP:

- Designed GCS ingestion for employee data via CSV, optimizing storage and access.
- Developed a Data Fusion ETL pipeline with custom transformations, loading into BigQuery while enforcing schema consistency.
- Deployed Airflow DAGs for full-cycle automation, managing dependencies and retry logic.
- Built Looker Studio dashboards to uncover key insights, enhancing analytical depth.

Dynamic Sales Data Analysis via GCP Integration: [Link](#)

- Developed a Django web portal enabling seamless upload of large sales datasets (up to 10GB per file) to Google Cloud Storage, improving data management efficiency by 30%.
 - Automated ETL process using Google Cloud Functions, transferring, and processing over million sales records into BigQuery for real-time analysis with near-zero latency.
 - Designed and deployed interactive dashboards in Looker Studio, visualizing key metrics like monthly revenue growth, product performance, and regional sales trends.
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CERTIFICATION

- Google Data Analytics Professional Certificate
- ML Specialization by DeepLearning.AI
- Django Web development by Udemy.
- Financial Markets by Yale University

RECOGNITION

- Workplace Recognition - Received appreciation from CEO (Cinefly)
- Volunteer Work - Commended for teamwork on projects (Griffith)
- LOR from MyUpdates24