

ROHIT KUMAR GUPTA

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Melbourne, Australia

[LinkedIn Profile](#)

[Website Portfolio](#)

CAREER SUMMARY

Over a decade of experience in IT and Data consultancy, research, and academia, specialising in software engineering, data engineering and data science. Expertise spans developing ETL processes, data pipelines, and cloud-based solutions, complemented by strong leadership skills and a track record of driving data-driven initiatives across multiple industries.

Cognizant Servian	Data Engineer and Data Consultant	1.9 years
Australian Urban Research Infrastructure Network (University of Melbourne)	Data Science Officer	1.1 year
Melbourne Data Analytics Platform (University of Melbourne)	Research Data intern	3 months
Master of Data Science (University of Melbourne)	Student	1.8 years
Capgemini India	Technical Architect, Innovation team lead, L&D trainer and Senior developer	5.5 years
Tata Consultancy Services	Technical lead and Developer	3.5 years

SKILLS AND STRENGTHS

Technical

- **Programming Languages:** Python (NumPy, Pandas, scikit-learn), R, JavaScript
- **Cloud Platforms:** AWS, Azure, Google Cloud
- **Databases:** SQL (Postgres, MySQL), NoSQL (MongoDB, CouchDB)
- **Data Warehousing:** Snowflake (SnowPro Core Certified), Databricks
- **DevOps & Containerization:** Docker, Terraform
- **Legacy & Enterprise Technologies:** SAP ABAP (IDOCs, workflows, HANA and UI5), Oracle
- **Machine Learning & AI:** Scikit-learn, TensorFlow, PyTorch

Non-Technical

- **Soft Skills** - Mentoring, Leadership, Teamwork, Communication Skills, Critical thinking, and Adaptability
- **Hobbies/Passion:** Photography, Tennis, Cooking, Creative Writing and Graphic Designing

EDUCATION

Master's in Data Science, University of Melbourne

Melbourne, Australia (Feb 2019 – Dec 2020)

Bachelor of Engineering in Information Technology, University of Mumbai

Mumbai, India (Aug 2005 – June 2009)

WORK HISTORY

Cognizant Servian

Melbourne, Australia *[Feb 2022 to current]*

Role: Data Architect

Client: Retail Conglomerate

Key Responsibilities

- Contributed to a large retail conglomerate's critical data platform merger project, participating in client workshops to understand existing architecture, governance, and legal frameworks.
- Collaborated in creating a detailed proposal for a unified data platform, encompassing architecture and governance considerations.
- Assisted in developing an implementation roadmap for the proposed data platform, ensuring alignment with client needs and compliance standards.

Role: Business Analyst

Client: Bank

Key Responsibilities

- Played a pivotal role in a banking data merger project as a Business Analyst, focusing on seamless data integration across systems. Worked with technical architects to ensure solutions aligned with business objectives
- Supported the marketing head by analysing strategies and working with other Business Analysts to draft functional requirements aligned with stakeholder needs.
- Extended functional requirements with detailed data criteria, collaborating with data teams to set quality standards for the merger project.
- Engaged with stakeholders across business units to document processes and requirements, ensuring project success.
- Consistently demonstrated strong analytical and communication skills, effectively collaborating with stakeholders to meet business objectives.

Role: Data Engineer

Client: Bank

Key Responsibilities

- Enhanced Snowflake's data framework for the bank, focusing on scalability and efficiency while collaborating with stakeholders to refine data management practices.
- Supported data migration to Snowflake, offering technical guidance and working with cross-functional teams to maintain data integrity.
- Analysed the bank's data architecture to offer insights for framework alignment and automated tasks using Python scripts to boost efficiency.
- Facilitated knowledge transfer through training and documentation and supported framework adoption.
- Contributed data engineering expertise to support the bank's strategic initiatives and data-driven decision-making.

Australian Urban Research Infrastructure Network (The University of Melbourne)

Melbourne, Australia [Jan 2021 to Feb 2022]

Role: Data Science Officer / Data Officer

Client: Federal government-funded project under NCRIS

Key Responsibilities

- Crafted automation scripts focused on data and metadata ingestion, incorporating ETL processes for data spatialisation, using technologies like QGIS, Postgres, CKAN, Linux servers, and Airflow.
- Served in a support role on a data science team, assisting Australian research entities and project groups with data audits, acquisition, storage, transformation, and analysis while managing the metadata lifecycle.
- Played a crucial role in enhancing AURIN's toolkit capabilities, extending data ingestion functionalities for Statistical Data and Metadata Exchange (SDMX) and real-time IoT-generated data.
- Authored comprehensive setup documents and guides for GIS-based data science projects, utilising tools such as Miniconda, pip, Docker, Jupyter Hub, Postgres, VS Code, GitHub, and Windows Subsystem for Linux (WSL).

Melbourne Data Analytics Platform (The University of Melbourne)

Melbourne, Australia [Jan 2020 to April 2020]

Role: Research Data Intern

Client: Faculties of the University of Melbourne

Key Responsibilities

- Engaged in data analytics, problem-solving, and research data management tasks, contributing to various aspects of the project lifecycle.
- Liaised with researchers across diverse fields such as agriculture, veterinary science, psychology, and law, assisting in data management and analytical tasks.
- Contributed and co-authored a research paper on the application of natural language processing (NLP) in the law domain - *"Information Extraction from Legal Documents: A Study in the Context of Common Law Court Judgements"* in Proceedings of Australasian Language Technology Workshop (ALTW 2020)

Capgemini India

Mumbai, India [Sept 2013 to Jan 2019]

Role: Technical Architect and Innovation Team Lead

Client: Central Innovation Team, Capgemini India SAP Business unit

Key Responsibilities

- Led a nine-member development team, providing both guidance and hands-on assistance.
- Acted as a subject matter expert for high-priority SAP incidents across multiple clients.
- Delivered end-to-end solutions, from ideation through deployment.
- Presented in-house innovation tools to senior management and external clients.
- Supported upper management in crafting sales pitches for prospective clients.
- Explored emerging SAP modules like HANA DB and SAP Leonardo.
- Developed in-house tools for clients utilising upcoming technologies such as Blockchain, IoT,

Machine Learning, IoT, Big Data and Bots

- Created tools for client data lifecycle management, including data modelling and monitoring.

Role: Senior Technical Development Analyst

Client: Frieslandcampina

Key Responsibilities

- Formulated solutions across SAP modules like sales, material management, and finance, optimising project planning and HR functions.
- Ensured adherence to Quality Management System (QMS) protocols.
- Conducted audits and peer reviews to maintain compliance standards.
- Led onsite-offshore coordination efforts with clients.
- Developed and showcased proof of concepts, such as an automated daily status monitoring tool of 150 systems, saving 90 manhours monthly.
- Conducted training sessions on various SAP technologies, including IDOC and Workflow.

Extra responsibilities (Company Level Initiatives):

- Contributed as a SAP UI/UX developer within the Capgemini Experts Group.
- Served on the SAP Technical Interview Panel, assessing candidates for ABAP and Workflow roles.
- Conducted training sessions for incoming SAP technical consultants as part of the Capgemini Learning & Development Department.

TATA Consultancy Services

Mumbai, India *[Dec 2009 to Sept 2013]*

Role: Technical Team Lead and Senior Developer

Client: ABB Norway

Key Responsibilities

- Oversaw junior developers, assigning tasks based on skill sets.
- Managed change requests and incidents, directing them to appropriate team members.
- Led five mini-projects utilising SAP IDOC, Workflow, and Web services.
- Conducted weekly stakeholder meetings and gathered client requirements.
- Assisted in project proposals and resource planning while mentoring four junior developers.

Role: Developer

Client: ABB Norway + ABB UK + ABB Sweden

Key Responsibilities

- Engineered solutions for change requests, enhancing system functionality.
- Optimised an existing finance report, reducing runtime from 8 hours to 10 minutes.
- Worked across multiple SAP modules, including sales, finance, and HR.
- Managed data workflows using SAP ABAP and BI and data transfers via SAP PI.
- Handled interfaces for large datasets, ensuring efficient data management.
- Customised the FSCM module to serve finance better and control users.