

Company Profile	<p>Tata Power is India's largest integrated power company with a 109-year-old legacy committed to 'Lighting Up Lives' for generations to come. Our vision is to "Empower a billion lives through sustainable, affordable and innovative energy solutions". Tata Power, together with its subsidiaries and joint entities, is present across the entire power value chain of conventional and renewable energy and next generation customer solution with future focus on innovation and technology, emphasis on renewable power, power distribution and service-led business. Tata Power has a domestic footprint with a generation capacity of 14,707 MW (FY24) from Thermal, Hydro, Waste Heat/BFG, Wind and Solar energy, out of which 7,800 MW is from "Clean and Green sources". We have 12.5+ million distribution customers and carry a clean energy portfolio of 41%. With a bold aspiration to become the 'Most Preferred Green Energy Company', we are proactively investing in a greener portfolio, and innovating with smart technology for a future-ready business. Tata Power has a holistic approach to Sustainability that covers environment, climate change, biodiversity and community relations.</p> <p>At Tata Power, we are on a journey to challenge conventions, set benchmarks and consistently innovate to explore solutions to meet the energy needs of the present and the future. Today, more than ever, we have a responsibility to all our stakeholders and the world at large, to find such solutions that usher in a sustainable tomorrow.</p> <p>Our highly engaged workforce is a reflection of the work environment that inspires excellence, continuous learning and a culture that encourages employees to innovate. With a strong foundation of values and ethical conduct, strong legacy and expertise across the value chain, Tata Power stands out to be one of the most valued power companies in India.</p> <p>"At TATA Power, we are a group of passionate people driven by a purpose – to positively impact the lives of those around us and lead transformative change."</p> <p>For more details, please visit www.tatapower.com</p>
Target Degrees & Branches	<p><u>Computer Science/Information Technology</u></p> <p>We are looking for candidates who are currently in the final year of B.E. / B. Tech (Computer Science / Information Technology) and would graduate in 2025.</p>
Designation	Graduate Engineer Trainee - Computer Science/IT
Role & Responsibilities	<p>The roles and responsibilities include but not limited to the following:</p> <p>Cloud Infrastructure</p> <p><u>Cloud Infrastructure Management:</u></p> <ul style="list-style-type: none"> • Deploy, manage, and optimize cloud infrastructure on platforms such as Azure, or

Google Cloud.

- Collaborate with cross-functional teams to design scalable and resilient cloud architectures.
- Monitor and maintain cloud resources to ensure optimal performance.

Technology Platform Management:

- Work with development teams to understand platform requirements and provide infrastructure solutions.
- Implement and manage platform services, ensuring high availability and reliability.

Security Management:

- Implement and maintain security measures to safeguard cloud infrastructure and applications.
- Collaborate with the security team to implement and enforce security policies.

Services Management:

- Deploy and manage various cloud services, including databases, messaging systems, and caching layers.
- Troubleshoot and resolve service-related issues in a timely manner.

Automation and Scripting:

- Develop automation scripts to streamline repetitive tasks and improve efficiency.
- Implement Infrastructure as Code (IaC) practices to manage and version control infrastructure.

SAP

- Engage in comprehensive training programs to acquire skills.
- Collaboration in designing, developing, and maintaining applications and ensuring adherence to best practices.
- Work with SAP BTP components like HANA, Business Application Studio to build and deploy applications.
- Collaborate with cross functional teams, including business analysts, designers, and other developers, to deliver high-quality business solutions.
- Use version control systems and track changes in the codebase, ensuring effective

collaboration.

- Adhere to security best practices and contribute to the development of secure and compliant applications.
- Analyze and troubleshoot issues in applications and propose effective solutions.
- Maintain documentation for code, design, and implementation details, ensuring knowledge transfer and future reference.
- Embrace agile development methodologies, participate in sprint planning, and adapt to changing project requirements.
- Stay up to date with the latest developments and cloud services to enhance skills and contribute to innovation.
- Contribute to the testing process by participating in unit testing, integration testing, and ensuring the quality of applications.
- Effectively communicate technical concepts to both technical and non-technical business stakeholders.

Analytics

- Interface directly with stakeholders to gather requirements and own the automated end-to-end data engineering solutions and data science/AI solutions.
- Implement data pipelines to automate the ingestion, transformation, and augmentation of both structured, unstructured, real time data, and provide best practices for pipeline operations
- Hands-on in SQL database, data engineering, ETL, Data Warehousing, Data Mart, Data Lake, Big Data, Cloud and Data Governance activities.
- Hands-on in internal process improvements, automating manual processes, optimizing data delivery, infrastructure optimization, data model optimization, continuous improvements etc.
- Troubleshoot and remediate data quality issues, pipeline alerts, data model issues etc.
- Hands-on in statistical and machine learning techniques such as Clustering, Regression, Bayesian methods, tree-based learners, SVM, RF, XGBOOST, time series modelling, dimensionality reduction, SEM, GLM, GLMM, Deep learning, Neural Network, Topic Modelling, Multivariate Statistics, K-NN, Naïve Bayes etc. Knowledge on deep learning techniques and optimization techniques will be value add.
- Working on end-to-end data science pipeline: problem scoping, data discovery and

extraction, EDA, modelling, evaluation, insights, visualizations, continuous improvement, maintenance, and business value/impact tracking.

- Basic understanding of data discovery, ETL, EDA, data transformation etc.
- Responsible for coding, testing, debugging and documenting application development
- Hands-on on Python. Proficiency in data manipulation and analysis tools like Pandas, NumPy, Spark, and data visualization libraries.

Sharepoint

- Development and support of applications
- Strong hands-on knowledge in SharePoint and associated tools
- Web API, good background of HTTP protocol
- Knowledge of one or more programming languages relevant to the role open-source software and data bases.
- Experience with databases like Apache Cassandra, MSSQL, MySQL, PostgreSQL, Azure SQL
- Preparation of Database design and data flow (ERD and DFD)
- Knowledge of Implementation of OWASP top 10 vulnerability and secure coding
- Knowledge of API and microservice integration with applications
- Should have experience of working with software configuration management tools like GIT Hub
- Responsible for technical and strategic guidance to project teams/delivery leads
- Establish best practices and standards
- Performing data retrieval and backup procedures to prevent data loss

Business Collaboration

- Conduct evaluation studies of project/proposal and understand all technical & financial aspects and prepare a detailed evaluation report to help management take business decisions
- Identify problematic areas in functions/departments and implement strategic solutions
- Identification of new tech partners & start-ups across the globe to solve complex problems of organizations
- Knowledge of data management and analysis tools/languages, data base, SQL, Statistical models.
- Identify problem statements which require advance research for business to

	<p>collaborate with academic institutions.</p> <ul style="list-style-type: none"> • Drive innovation across the organization and help internal customers to develop their innovation projects, conducting PoC and pilot by supporting prototype development
Key Skills Required	<p>Key skills required include the following:</p> <ul style="list-style-type: none"> • Strong understanding of cloud computing concepts and services. • Familiarity with cloud platforms such as AWS, Azure, or Google Cloud. • Knowledge of security best practices and experience implementing security measures in cloud environments. • Programming and scripting skills (e.g., Python, PowerShell) for automation. • Relevant internship or project experience in cloud infrastructure management. • Certification in cloud platforms (e.g., AWS Certified Solutions Architect, Azure Solutions Architect). • Programming languages: proficiency in Python, R language, JavaScript, HTML 5, and CSS. • Familiarity with cloud computing concepts, and experience with cloud services. • Proficiency in user-friendly web applications. • Integration skills using standard integration techniques. • Knowledge of data Science and Data Engineering • Knowledge of version control systems like Git for collaborative development • Understanding of security concepts for ensuring the development of secure and compliant applications. • Familiar with agile development methodologies for effective collaboration and quick adoption to changing requirements. • Concepts of DevSecOps. • Understanding of RDBMS concepts and In-memory computing • Business communication, presentation and interpersonal skills • Learning Agility <p>Behavioral Attributes:</p> <ul style="list-style-type: none"> • Powerfully Nimble • Energizes Customers • Delivers Power-ful Results • Fuels Excellence • Powered by Purpose • Electric Learner
CTC and incentives	<p>INR 6.97 Lakhs per annum + other benefits such as: Subsidized Basic Hostel/ Company Provided accommodation (deductions as applicable), Medical Facilities, Insurances including Group Medical Coverage Insurance (GMC), Group Term Life Insurance (GTLI), Group Personal Accident Insurance (GPA), Voluntary OPD</p>

	<p>coverage, Executive health check-up, Canteen and Transport facility (available at certain locations), Official Travel reimbursement, contemporary leave practices, Higher Education Support (post trainee period), Car Lease benefit (post trainee period), Mobile Phone and Data Card/Broadband reimbursement, Laptop (compulsory buyback on exit at WDV), Rewards & Recognitions, Holiday Homes etc.</p> <p><i>All the benefits mentioned above are as per prevailing HR Policies and Practices of the Company and are subject to change as per management discretion.</i></p>
Joining Locations	Tata Power Group companies across India
Joining Period	May 2025 onwards (subject to completion of qualifying examinations)
Selection Process	Online Written Test (Aptitude and Technical Test) > Psychometric Assessment & Asynchronous Video Interview > Personal Interview
Shortlisting Criteria	<ul style="list-style-type: none"> • 60% above throughout SSC, HSC, Graduation and PGP/MBA (if applicable) • The applicant must not have any active backlogs (uncleared exams) • The applicant should have completed all academic courses (Under Graduation/ Post Graduation) within the stipulated tenure of course (e.g.: B.A./ B.Com./ B.Sc. in 3 year or B.E./ B. Tech. in 4 years, and MBA/ PGDM in 2 years) • Candidate should be willing to travel and be posted anywhere in India at office, plant, project site location etc. • Candidate to be declared medically fit by Company CMO