

Transformative Use-Cases Shaping the Future

DIGITAL TRANSFORMATION IN TELECOMMUNICATIONS

Prashanthi Chennupati ,
Transformation Leader





Telecommunications is at the forefront of digital transformation, driving connectivity and innovation in a fast-evolving world. With AI, 5G, and smart bandwidth allocation, the industry is delivering better experiences and unlocking new possibilities

These key use cases explore the potential to revolutionize the industry, highlighting the immense impact of digital solutions in shaping the future, redefining, and empowering telecommunications to make operations faster, smarter, and meeting modern technology demands.

1. Customer Engagement Management

Description - Predictive customer behavior modeling for plan upselling anticipates customer needs, increasing upselling opportunities and revenue

AI Model Type - Predictive Model

Solution Type - Product & Service



2. Demand Management

Description - Smart bandwidth allocation for high-demand periods allocates bandwidth dynamically, ensuring seamless user experiences

AI Model Type - Prescriptive Model

Solution Type - Platform



3. Repair & Maintenance

Description - Augmented reality (AR)-based AI for network repair and training improves maintenance processes, reducing repair times and errors

AI Model Type - Diagnostic Model

Solution Type - Product



4. Service Optimization

Description - Optimizing service rollout in new regions strategizing launches, ensuring cost efficiency and market readiness

AI Model Type - Prescriptive Model

Solution Type - Platform /Ecosystem



5. Performance Management

Description - Network performance analysis for error diagnostics identifies network errors, improving service quality and reducing downtime

AI Model Type - Diagnostics Model

Solution Type - Platform



THANK YOU

Contact Details

Name: Prashanthi Chennupati

Linkedin <https://www.linkedin.com/in/prashanthichennupati/>

Email : prashanthi.chennupati@gmail.com

Blog : <https://chennupati108.com>

