**Name – Gajanan Purud**

Mobile Network Analysis – San Jose

This document presents a comprehensive analysis of mobile network providers in San Jose, California. It compares major providers including T-Mobile, AT&T, and Verizon based on multiple critical factors such as coverage, data plans, customer service, and international roaming capabilities. The goal is to help users determine the most suitable network provider for their specific needs.

# Network Coverage in San Jose

- AT&T offers the widest 4G (98%) and 5G (96%) coverage.  
- Verizon follows closely with 97% 4G and 95% 5G coverage.  
- T-Mobile has the highest percentage of excellent reception areas (79.3%) but slightly lower overall coverage.

# Plan Comparison

- T-Mobile (Magenta MAX): $85/month, 50GB high-speed data, Netflix included.  
- AT&T (Unlimited Elite): $85/month, 100GB high-speed data, includes HBO Max.  
- Verizon (Get More Unlimited): $90/month, 75GB high-speed data, includes Disney+ and Apple Music.

# Customer Experience

- Verizon scores highest in network quality (4.3/5) and customer service (4.4/5).  
- AT&T offers solid reliability and good support (4.3/5).  
- T-Mobile leads in affordability and extras, with a solid customer score (4.1/5).

# International Roaming – India

- AT&T: Free texting, $0.35/min calls. Best for voice coverage.  
- Verizon: 500MB/day then throttled. Balanced plan for short-term travel.  
- T-Mobile: Free texting and 256kbps speeds. Best for minimal use and texting.

# Recommendation

Based on this analysis, the recommended plan for a resident in San Jose is:  
AT&T Unlimited Elite – It combines excellent 4G/5G coverage, high-speed data, good customer support, and solid international roaming features, making it ideal for daily use and travel needs.

# International Roaming – Focus on India

For users who travel frequently to India or maintain international connections, roaming support becomes a critical factor. AT&T provides one of the most reliable international services, offering free texting and reasonably priced voice calls at $0.35/min. Verizon allows 500MB of high-speed data per day while roaming, after which speeds are throttled sufficient for checking emails and light browsing. T-Mobile, although providing unlimited data abroad, restricts speeds to 256kbps, which is only suitable for basic messaging and light apps. For consistent connectivity while abroad, especially in India, AT&T remains the most dependable.

# User Satisfaction and Network Quality

In terms of user satisfaction, Verizon generally ranks highest for customer service and overall network quality, with an average customer rating of 4.4 out of 5. AT&T follows closely, praised for its network reliability and comprehensive support options. T-Mobile, while well-rated for affordability and innovation, tends to score slightly lower in rural coverage and customer support. However, its rapid 5G expansion and urban performance make it a strong contender for local users.

**Choose AT&T** – If You Want the Best Overall Experience  
- You live and work in or around San Jose and need consistent signal across urban and suburban areas.  
- When you stream, work from home, or play games, you use a lot of data. - You want a reliable network when traveling internationally, especially to India.  
- You value features like HBO Max and a high data cap (more than 100 GB). - You prioritize network reliability and don’t mind paying a bit more for peace of mind.

**Choose T-Mobile** – If You Want Affordability with Perks  
You mostly live in San Jose, so you don't need coverage in the countryside. - You need unlimited data but want a lower monthly bill. - You enjoy perks like Netflix and don’t mind slower speeds abroad.  
- You’re comfortable with slightly lower customer service ratings.

**Choose Verizon** – If You Want Premium Media and Strong Support  
- You value great customer service and want access to Disney+, Apple Music, etc.  
- You prefer a balanced plan with strong 5G speeds and fair international roaming.  
- You don’t use extreme amounts of data but want consistent quality

# Summary Recommendation for San Jose Resident

For a resident living in San Jose, the best mobile network provider overall is AT&T, specifically with the Unlimited Elite plan. This recommendation is based on AT&T’s exceptional 4G and 5G coverage throughout San Jose, high data allowance (100GB of high-speed data), and valuable entertainment extras like HBO Max. It also performs well internationally, offering free texting and reasonable call rates when roaming in India ideal for users who travel.  
  
While Verizon offers slightly better customer service and premium media bundles, AT&T strikes the best balance of coverage, performance, and international usability. T-Mobile remains the most cost-effective for users who prioritize value and are primarily focused on local use with strong signal in urban areas.