



# Tanvi Ghatwal

## ASPIRING SYSTEMS ENGINEER

### Contact

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Bengaluru, Karnataka  
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### Skills

#### Technical

MATLAB / Simulink  
AutoCAD  
Schematic Design  
BOM creation  
Electrical Power Systems  
Satellite systems and costing  
Technical Documentation  
Multi-team Technical Communication  
Client Technical Communication

### Education

(2017-2021)  
**Bachelor of Engineering in  
Electrical and Electronics**

Goa College of Engineering

### Papers written

IOT and AI/ML based satellite Aird  
Land Remediation (PRADEEP SAT)

Relay Satellite Communication  
and Control Systems in Low Earth  
Orbit (LEO)

Battery Free Satellite Constellations

### About me

From designing power grids to selling space subsystems, my engineering curiosity only has grown. Presales gave me valuable insight into the techno-commercial side of space, and now I am shifting toward the technical front, building and understanding the systems that make a spacecraft work.

### Experience

#### Senior Presales Engineer

*Aadyah Space* September 2025 - December 2025

- Led lead generation and client engagement and proposals for ESA, DLR, and Indian space bids (TBD and InSpace).
- Delivered techno-commercial proposals worth ~\$5M by bridging technical and business teams.
- Conducted feasibility studies, developed business plans, and created financial projections for satellite missions.
- Streamlined proposal workflows and client communication for high-value opportunities.

#### Associate Presales Engineer

*Aadyah Space* September 2024 - August 2025

- Promoted from Graduate Engineer Trainee within weeks for initiative and technical adaptability.
- Prepared 10+ proposals and 5+ grant submissions with technical, cost, and financial inputs.
- Pitched to OHB and the INNOspace panel, representing AADYAH.
- Aligned technical inputs with business objectives to enhance proposal success and execution.

#### Design & Estimation Engineer

*Sun360* June 2023 - June 2024

- Engineered solar power systems and modeled performance using simulation tools.
- Defined the company's solar design approach as the sole electrical engineer and helped in state-level (Goa) solar electricity safety policy discussions.
- Finalized schematics and BOMs with component-level insight to improve reliability and cost efficiency.

#### Electrical Design Engineer

*Siemens Ltd.* March 2022 - May 2023

- Designed MV (33kv/1250A & 11kv/650A) panels schematics and HV single-line diagrams for industrial systems.
- Standardized BOM templates and workflows to improve team efficiency.
- Pioneered the electrical design team, establishing first inhouse SF6 GIS panel design and support throughout production and testing activities.