AKSHATH REDDY UDUMULA

Atlanta, GA | Open to Relocation Nationwide | (404) 324-1000 | akshathudumula@gmail.com | LinkedIn | Website |
Graduating Dec 2026

PROFESSIONAL SUMMARY

MEP project engineer with 4+ years across mission-critical data centers, commissioning, and commercial construction. Most recently at Webcor on a $2.62B Webcor/PCL mission-critical joint venture, coordinating a 10 MW generator cutover and Fire Command Center across 7+ trades with 100% uptime, and supporting commissioning through BMS point-to-point checkout and integrated systems testing (IST). Before that, coordinated design and preconstruction for a 50 MW hyperscale data center for Laurus, and founded a construction practice that delivered an 18-story tower and a 29,500 sq ft commercial build. Now on the owner side at Georgia Tech, tracking 300+ active MEP and facility projects. Finishing an M.S. at Georgia Tech in December 2026 with a 4.0 GPA, and looking for a full-time data center or mission-critical project engineering role where commissioning and go-live readiness decide the schedule.

EXPERIENCE

Webcor Builders | *MEP Project Engineer Intern* | Los Angeles, CA **May 2026 to Sep 2026 (4 months)**

- Coordinated a 10 MW generator cutover and Fire Command Center across 7+ trades through construction, cutover, and commissioning on a $2.62B mission-critical joint venture, holding 100% uptime off legacy infrastructure.
- Supported 12+ commissioning scripts with P2S Inc., the commissioning consultant, across electrical skids, mechanical systems, fire and life safety, low voltage, and BMS.
- Ran building management system (BMS) point-to-point checkout on sensors, actuators, and control points against design intent, then executed integrated systems testing (IST) across low and high voltage systems.
- Caught 2 arc-flash hazards during generator and PDU intertied testing before energization, keeping a critical-path safety incident off the schedule.
- Reviewed 55+ and submitted 40+ submittals across switchgear, UPS, PDU, CRAC, CRAH, and AHU scope; found 12 Navisworks conflicts before lock-in, cutting rework roughly 22%.
- Managed 35+ MEP RFIs across 4 work packages and 11+ change orders with 7 subcontractors in Procore, reaching 100% substantial completion sign-off with zero punch list carryover.

Georgia Tech, Infrastructure and Ops | *MEP Program Management Intern* | Atlanta, GA **Sep 2026 to Dec 2026 (4 months)**

- Support owner-side commissioning and go-live readiness tracking across 300+ active MEP, utility, and facility projects.
- Track 50+ RFIs, 40+ submittals, and 20+ change orders for the institutional owner, coordinating GCs, MEP subcontractors, and design consultants.
- Consolidated 6+ shadow tracking systems from 5 PMs into one SharePoint source of truth and built 4 Power BI dashboards, cutting manual reporting roughly 70%.

Nandu Associates | *MEP Construction Manager, Data Centers* | Hyderabad, India **Jun 2024 to Aug 2025 (14 months)**

- Coordinated design and preconstruction for a 50 MW hyperscale data center for Laurus across 4 MEP disciplines; layout optimization improved white space efficiency 23%.
- Ran BIM clash detection across electrical distribution, UPS, chilled water, and high-density racks, resolving 26% of MEP conflicts before lock-in.
- Standardized RFI, submittal, and change-order workflows across 3 mission-critical projects, cutting cost discrepancies 12%.

Georgia Tech | *Graduate Research and Teaching Assistant* | Atlanta, GA **Aug 2025 to May 2026 (9 months)**

- Researched off-grid value engineering with QTS Data Centers and HITT Contracting, covering modular UPS deployment against 2N targets, and found 15% lifecycle-cost and 12% schedule improvements.
- Analyzed online UPS commissioning for data center applications, modeling N+1 redundancy configurations and 99.9%+ uptime scenarios.
- Applied CPM scheduling to a $3M mission-critical program, cutting modeled delays 12%.

Studio AR | *Founder and CEO, Construction Practice* | Hyderabad, India **Mar 2022 to Jun 2025 (3.3 years)**

- Managed full lifecycle delivery of an 18-story tower and a 29,500 sq ft commercial build ($1.5M): bidding, procurement, cost, schedule, change orders, and closeout; both on time and on budget, with 12+ disputes resolved.

SELECTED PROJECTS

- GoLiveIQ: commissioning and turnover readiness platform tracking every asset through 9 gates, Design Review to L5 IST and Turnover (demo: 468 assets, 4 data halls, 50 MW); waived gates log owner, date, reason, and accepted risk.
- BuildIQ: 16-module AI portfolio platform for owner's reps (demo: 8 projects, $3.4B), integrating Procore, P6, BIM 360, and SharePoint; pitched to IMPACT Development Management.
- **150 MW Hyperscale Value Engineering Study** (Georgia Tech, Spring 2026): evaluated switchgear, UPS, BESS, and generators against Tier III/IV; solar plus BESS returned $175.8M NPW at 8.2% WACC and removed $6M to $12M a year in diesel O&M.

EDUCATION

Georgia Institute of Technology | M.S., Building Construction and Facility Management **Dec 2026, GPA 4.0/4.0**
Graduate research on data center value engineering and UPS commissioning; teaching assistant who built a contract-review framework adopted for 45+ students.

Acharya NRV School of Architecture | B.Arch, Gold Medal Thesis | Bangalore, India **2024**
Thesis: mission-critical aerospace R&D facility with N+1 and 2N redundancy and a digital twin, modeling a 67% carbon reduction.

TECHNICAL SKILLS AND CERTIFICATIONS

Data Center and Commissioning: Commissioning scripts, pre-functional testing, BMS point-to-point, startup, L4 functional, L5 IST, turnover; switchgear, UPS, PDU, generators, ATS/STS, BESS, CRAC, CRAH, AHU, chilled water, N+1 and 2N, Tier III/IV
Project Controls: RFI, submittal, and change-order management, CPM scheduling, long-lead tracking, cost tracking, subcontractor coordination, QA/QC, arc-flash mitigation
Certifications: OSHA 30-Hour, Construction Project Management, Bluebeam, BIM Foundations
Software: Procore, Navisworks, Revit, BIM 360, Bluebeam Revu, Primavera P6, Power BI, SharePoint, Power Automate, Python