

ATHUL JANESH KUMAR NAIR

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EDUCATION

Carnegie Mellon University

M.S Architecture Engineering and Construction Management

Relevant Coursework: Project Management, Transdisciplinary Thinking, Real Estate Development, Investment Planning & Pricing.

Pittsburgh, PA

December, 2025

National Institute of Technology, Calicut

Bachelors in Architecture (GPA: 7.89/10)

Thesis: Rejuvenation of an Abandoned Railway Station into a Multi-Modal Transit Hub Improving City Connectivity.

Kerala

June, 2022

PROFESSIONAL EXPERIENCE

School of Architecture at Carnegie Mellon University

Graduate Teaching Assistant - Building Performance, Fall 2024

- Assist the professor with course material development, student consultations, and software demonstrations for simulation-based projects using Rhino, Climate Consultant, and Climate Studio.
- Provide grading and feedback on assignments, and support course instruction by attending classes and managing office hours.

Pittsburgh, PA

Present

Larsen & Toubro Limited

Senior Architect - Health Team

Golagaht Hospital and Medical College, Assam – 17 buildings 1.2 million sq. ft built-up space on 55 acres

- Achieved a profit of Rs.1,268,000 by optimizing joinery BOQ through market research and case studies and offering effective alternatives in collaboration with the procurement team.
- Developed energy-efficient façade designs in REVIT using solar heat reduction techniques with the help of the LEED team and used locally available materials to reduce costs.
- Prepared standardized construction drawings in REVIT, compliance with Indian design codes, enabling reuse for other projects and reducing time by over 40%.
- Conducted site visits and documentation for quality checks and workflow monitoring on L&T Innovation Camps and Venkateshwara Hospital renovation projects.

Chennai

July, 2023 – June, 2024

Larsen & Toubro Limited

Graduate Architect Trainee (GAT)

- Designed the “Residents and Interns Hostel” from concept to client approval, improving airflow and ventilation by 75%. Contributed to the overall scheme stage development for the project.
- Coordinated with MEP, structural, and other teams using REVIT and BIM to create comprehensive GFC drawings, achieving less than 10% of revisions approved by the public works department.
- Modeled the project in REVIT, improving efficiency with multi-disciplinary coordination and clash detection, resulting in 75%-time savings and over 90% error reduction.
- Managed project coordination on Primavera P6, along with construction managers from the site and other stakeholders of the project, ensuring 100% prompt delivery of requirements.
- Designed a custom pre-cast module for external shafts, reducing construction costs by 80% and saving 120% in time.

Chennai

July, 2022 – July, 2023

FWD Architects

Architect Intern

- Created architectural drawings and visualizations for various projects with 80% efficiency and conducted site inspections to reduce errors by 30%.
- Analyzed façade materials for design optimization and proposed innovative concepts, including a restaurant pod re-using shipping containers.

Bangalore

January, 2021 – June, 2021

‘CHITRA’ House

Architect

- Managed design and construction of a 2,983 sq. ft. house, achieving 18% cost savings through material reuse and optimized planning, while reducing site errors by 30%. Coordinated with contractors and architects on BOQ, cost estimates, and scheduling, ensuring quality and timely project completion.

Kerala

May, 2022 – November, 2023

CERTIFICATIONS

- Procore certification: Student by Procore Technologies in August 2024.
- Certification in Construction Management course (Estimating, Cost Control, Schedule) – Columbia University in June 2024.
- Diploma in AutoCAD and REVIT from CAADES in May 2018.

SKILLS

Primavera P6, Microsoft Project, Procore, AutoCAD, Revit, BIM 360, Sketchup, Rhino, Navisworks, Climate Consultant, Grasshopper, Lumion, Adobe Photoshop, Adobe InDesign, Adobe Illustrator, MS Office Suite.