

ROLL NUMBER: P25700194


Mr. Harsha Varthan
Gurusamy
 Male

DOB

13-Sep-2001

TECHNICAL SKILLS

- MS Project
- Primavera P6
- AutoCAD
- Revit
- MS Excel
- Power Query
- MS Office

PERMANENT ADDRESS

76, Main Road, Govindanagaram
 City: Theni
 State: Tamil Nadu
 Pincode: 625517

LANGUAGE

- English
- Telugu
- Tamil

SUMMARY OF QUALIFICATION

Course / Programme	Board / University Name	CGPA/ (%)	Passing Year
MBA-ACM	NICMAR University, Pune	8.44	2027
B.E. <i>Civil Engineering</i>	SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY	84.8	2023-Apr
Intermediate <i>Science (PCMB)</i>	STATE BOARD OF SCHOOL EXAMINATION (SEC.), TAMILNADU	79.4	2019-Mar
High School	STATE BOARD OF SCHOOL EXAMINATION, TAMILNADU	97	2017-Mar

TOTAL WORK EXPERIENCE: 26 month(s)
Yatzar Creations Private Limited

01-Apr-2023 - 31-May-2025

2 Years, 1 Months, 30 Days
PROFILE: Junior BIM Software Developer

- Owned an **end-to-end BIM application module** in an R&D startup, from stakeholder requirements through design, development and delivery, **coordinating requirements across technical and domain stakeholders**.
- Built **BIM visualization tools** that transformed model data into project insights for **cost analysis and planning**, enabling teams to identify **quantity, cost and model-related issues earlier in the workflow**.
- Worked with **5D BIM specialists** to integrate **quantity take-off and cost estimation** into the application, **reducing reliance on manual quantity extraction and supporting a more streamlined estimation workflow**.
- Supported **Digital Twin and Facility Management** initiatives by linking BIM models to **asset, spatial and operational data** for improved information accessibility.
- Translated **real construction workflows into scalable software features**, working directly with **domain experts and cross-functional stakeholders** to design and develop BIM-focused application functionality.

INTERNSHIP / PROFESSIONAL TRAINING (Total Duration: 8 Weeks)
M. Arunachalam Projects and Infrastructure Company Private Limited

04-May-2026 - 01-Jul-2026

8 Weeks
PROFILE: Construction Project Management Intern

- Built a **10-module predictive material management system** in Excel and Power Query that links BOQ, project schedule, store, DCT and material data, replacing **manual and disconnected tracking across 96 materials** at project level.
- Developed a **schedule-driven forecasting model** that converts BOQ quantities and activity schedules into material requirements using consumption coefficients, enabling procurement needs to be identified **up to approximately 2–3 weeks before activity start**.
- Implemented procurement planning logic using **lead time, buffer days, VPT, safety stock and reorder point (ROP)**, providing clear order triggers to manage **stock-out and site-delay risks**.
- Designed a **procurement dashboard** answering *what to order, how much, and when*, enabling **schedule-aligned procurement planning**.
- Standardized material names across multiple Excel data sources with a **Python script**, improving consistency between BOQ, store and schedule data.
- Presented the model during **project/final review** and prepared documentation for **site-team handover and future data updates**.

PUBLICATIONS DETAIL

Transport and Fate of Textile Wastewater Contaminants into Soil, Global NEST Journal, 2023.

- Studied contaminant transport in soil and its environmental impact in agricultural regions near Tirupur, Tamil Nadu.

CERTIFICATION DETAIL

- AutoCAD Essential
- Ethics in Engineering Practice

ACHIEVEMENT DETAIL

- Powerlifting: 4-State Gold Medalist and 1-State Gold Medalist (WPC); qualified for National-level competition.
- Martial Arts (Silambam): 1- National Gold Medalist and 2- State Gold Medalist.