Parth Trivedi

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Academic Qualifications

Year	Degree/Certificate	Institute	CPI/%
2025–Present	PhD	IIT Kanpur	NA
2021–2025	B.Tech	IIT Tirupati	8.74/10
2021	RBSE(XII)	Prince School	99.4%
2019	RBSE(X)	Akhil Bharti S.S. School	93.0%

Relevant Courses

Estimation & Construction Management	Basic Reinforced Concrete Design
Health Monitoring of Civil Structures	Functional Design of Buildings
Project Management and Controls	Infrastructure Asset Management

Achievements

- **First Place** in Civil Conclave case study for designing a pedestrian pony truss bridge. 2025
- **First Place** in Civil Department during 2nd year of B.Tech. 2023

Experience

- **Intern – Athenalogics Solution Pvt. Ltd.** *(May 2024 – Jul. 2024)*
  - Worked as **Project Assistant & Zuora Developer**, supporting subscription-based business operations.
  - Developed and deployed a Zuora app for a news subscription service, automating billing and data tracking.

Projects

- **ML Framework for Castellated Columns** *(Aug. 2024 – May 2025)*
  Mentors: Dr. M. Nithyadharan, Dr. Venkataraman
  - Built an **ML-based framework** to predict buckling load using FEM datasets.
  - Applied **ANN, Decision Tree, and Random Forest** using **Python, Scikit-Learn**.
- **Pony Truss Bridge Design – Case Study** *(Dec. 2024 – Jan. 2025)*
  - Designed a pedestrian **pony truss bridge** with a 3D lattice structure.
  - Conducted analysis in **ANSYS**, ensuring safety and load compliance.
- **RCC Residential Building Design** *(Apr. 2024 – May 2024)*
  Mentor: Dr. Prasanna Kumar Behera
  - Designed a G+2 RCC building using **ETABS** following **IS 456:2000**.
- **Estimation & Planning of Residential Building** *(Oct. 2024 – Nov. 2024)*
  Mentors: Dr. K.N. Satyanarayana, Dr. Prasanna Kumar Behera
  - Prepared cost estimation, quantity take-offs, and project schedule in **MS Project**.

Skills

- **Technical:** Surveying, Structural Analysis, FEM, RCC & Steel Design, Construction Management, SHM.
- **Programming:** Python, C, C++, Java, JS, HTML, CSS, SQL.
- **Software:** AutoCAD, ETABS, ABAQUS, Zuora, Scikit-learn, MongoDB, ReactJS, NodeJS, MS Project, MS Office.

Positions of Responsibility

- **Student Nominee, DPGC, IIT Kanpur** *(Sep. 2025 – Present)*
- **Member, Faculty Search Council, IIT Kanpur** *(Jul. 2025 – Present)*
- **Event Manager & Core Member, Scribbles Club, IIT Tirupati** *(Jul. 2024 – May 2025)*
- **Co-Coordinator, Aranya Club, IIT Tirupati** *(Jun. 2022 – Nov. 2023)*