

# Vivekananda Panchangmath

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## **Professional Summary**

Motivated construction professional having over 10+ years of experience in design & construction field. Has worked over nine (9) years on site managing construction of underground station for Mass Rapid Transit projects in Singapore and has hands-on experience in ground improvement & soil stabilization works, earth retaining works, bulk excavation, RC works, utility management, soil investigation and instrumentation & monitoring works.

Has passed the Fundamentals of Engineering (FE) exam and eligible to register for Engineer -in-Training (EIT) certification. Also, meets the education and experience requirements for Professional Engineer (PE) licensure. Expected to clear PE exam before graduation.

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## **Education**

Master of Science in Underground Construction & Tunnel Engineering	May 2023
Colorado School of Mines, Golden, CO, USA [Current GPA: 3.92]	(Expected)

### **Relevant modules covered:**

- Preparation of geological report, Engineering geological mapping, Seismic risk assessment & Rockfall analysis.
- Aspects of tunneling in soft soil & hard rock (mechanized & conventional tunneling) which included Tunnel alignment selection, Face stability assessment, Liner design & TBM selection, Dewatering & Ground improvement.

Master of Technology in Structural Engineering	Jun 2010
Indian Institute of Technology Delhi, New Delhi, India	

Bachelor of Engineering, Civil Engineering	Jun 2007
Visveswaraiah Technological University, Karnataka, India	

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## **Relevant Professional Experience**

<b>Deputy Project Manager</b>	<b>May 2017 to Jul 2022</b>
<b>Land Transport Authority, Singapore</b>	

Lead a team of engineers and technical officers for construction of Mass Rapid Transit (MRT) station for Thomson East-Coast Line project with contract sum of SG\$555million.

Reviewing of Contractor's submission which included method statement, material submissions and shop drawings to ensure compliance with Singapore's Codes of Practice and Land Transport Authority's quality & workmanship requirements.

Design coordination with Designer and Contractor to resolve the design issues affecting site works.

Liaising with other authorities and public utility boards to obtain their approvals and permissions to carryout engineering works.

Conducting risk assessment for major activities on site and updating the risk register.

Conducting site inspections to check and ensure compliance with quality, safety and environmental standards.

Managing feedbacks from public and stakeholders and addressing their concerns.

**Senior Project Engineer**  
**Land Transport Authority, Singapore**

**Jun 2013 to Apr 2017**

Managed construction of Mass Rapid Transit (MRT) station for Downtown Line which commenced operation in October 2017.

**Assistant Manager (Design)**  
**L&T Infrastructure Projects Ltd, Maharashtra, India**

**Feb 2013 to Jun 2013**

Carried out technical evaluation of design report and drawings for structures along 275km two-lane stretch of National Highway 6 (NH-6) between Amravati and Jalgaon in Maharashtra State which was to be widened to four-lane highway.

Coordinated with Independent Consultant appointed by National Highway Authority of India for approvals to commence works at site.

**Assistant Engineer**  
**Gifford India Pvt Ltd, New Delhi, India**

**May 2011 to Nov 2012**

Carried out design of road structures such as bridges, culverts, and retaining walls

**Assistant Engineer**  
**ASC Infratech Pvt Ltd, Delhi NCR, India**

**Jun 2010 to May 2011**

Carried out design of road structures such as bridges, culverts, and retaining walls.

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## **Skills**

**Computer:** Rocscience software suite (Examination 2D, RS2, Unwedge, RocSupport, Rocplane, Swedge), MS Office, AutoCAD, Primavera.

**Communication:** Oral Presentation, technical writing, preparing technical reports and providing assessments.

**Other:** Possesses driving license and reliable vehicle for commuting.