



## SURENDRA REDDY CHAMALA

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Address: Hyderabad, Telangana, India-500027

### **CAREER SUMMARY:**

- Presently working as a Geotechnical engineer in Geotechnical services (GTS) in Hyderabad (Feb 2020 to till date).
- A Strong knowledge on geotechnical field tests like ERT , plate load , CBR test & Auger boring &SPT test.
- Research experience in utilization of Fly ash, Bottom ash and Municipal solid waste (MSW) materials in Geotechnical applications.
- Major research work was done at Indian Institute of Technology (BHU), Varanasi in the Department of Civil Engineering,
- Appointed as an Engineering Assistant in the department of panchayat Raj and Rural development by the Government of Andhra Pradesh in 2019.
- Site engineer with two years of experience in irrigation projects (2014-2016)

### **ROLES & RESPONSIBILITIES:**

- Performing analysis and design of deep and shallow foundations.
- Inspecting lab testing of soil samples for calculating the bearing capacity of soil and analyzing its properties and writing soil reports.
- Conducting field tests like ERT, plate load, CBR test & Auger boring &SPT test.

### **WORK EXPERIENCE:**

Designation	Name of the institution	Work duration
Site Engineer	IVRCL INFRASTRUCTURES & PROJECTS LTD.	2014-2016
Graduate Research Assistant	IIIT HYDERABAD & IIT (BHU), VARANASI	2016-2019
Geotechnical Engineer	Geotechnical Services (GTS),HYD	Feb 2020 to till date

**RESEARCH EXPERIENCE:****IIIT HYDERABAD & IIT (BHU), VARANASI****Graduate Research Assistant****Guide: Dr. Supriya Mohanty****Aug 2016 – April 2019**

- Stabilization of weak soil using stone columns.
- Stabilization of black cotton soil using granular columns.
- Examine the waste materials such as fly ash, bottom ash and municipal solid waste material (MSW) were used in alternative fill material in road embankment design

**SKILL SET:**

- **Design Tools:** OPENSEES PL , PLAXIS 2D , SAP2000
- **Programming language:** MATLAB
- **MS office:** MS-Word, MS-Excel, MS-PowerPoint.
- **Other Tools:** Excel VBA, AutoCAD

**EDUCATION:**

<b>Qualification</b>	<b>Institute</b>	<b>Year</b>	<b>%/CGPA</b>
MS by Research in civil engineering	IIIT Hyderabad & IIT BHU	2019	7.25/10
BE in civil	LITAM	2014	71%
Intermediate	Sri Chaitanya junior college	2010	82%
SSC	Damodara public school	2008	83%

