

Gurupreet Siddhu

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PROFESSIONAL SUMMARY:

- ❖ Graduated with a Master's in Environmental Engineering and Bachelors in Civil Engineering program backed by 5+ years of experience and knowledge of engineering audits, regulations and specifications, report writing and design standards.
 - ❖ Experience with working on environmental projects including, Phase I & Phase II Environmental Site Assessments (ESA), Preliminary Assessments (PA), Site Investigation Report (SIR), and Remedial Action Report (RAR).
 - ❖ Performed project management activities including site investigation, and report writing for various properties including commercial, industrial, and residential properties. Performed projects in the states including; *New York, Texas, New Jersey, California, Massachusetts, Michigan, Florida, Colorado, Oklahoma, Ohio, South Carolina, and Pennsylvania.*
 - ❖ Proficient with Microsoft Office Suite (Word, Excel, PowerPoint, Project, Access).
 - ❖ Demonstrated ability to create project plans, work across cross functional teams, project analysis, design and development.
 - ❖ Demonstrated knowledge of RCRA, CERCLA, TSCA, CWA, CAA, and NEPA.
 - ❖ Exceptional ability to maintain and build client relationships, frequent meetings one on one with clients, able to comfortably converse with all facets in client's organization.
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WORK EXPERIENCE:

Environmental Scientist –

Kleinfelder

March 9, 2020 – Currently employed

Hamilton, New Jersey

- ❖ Performed site inspections and report writing for Preliminary Assessment Report (PAR), Site Investigation Report (SIR), and Remedial Action Report (RAR).
- ❖ Excavation work oversight and sampling, Geoprobe drilling oversight and sampling.
- ❖ Groundwater sampling using low flow purge technique, soil sampling and classification.
- ❖ Wetland delineation classification sampling.
- ❖ System Operation and Maintenance (O&M).
- ❖ Performed levellogger (transducer) installation, data download, and data reduction calculation.
- ❖ Performed field work for Slug test and pumping test for aquifer followed by hydraulic conductivity calculations for confined and unconfined aquifers.

At Kleinfelder, one project that I really enjoyed working on was performing pumping test on an aquifer. The field work on this included doing pump test on monitoring wells with continuously recording discharge rate, depth to water using levelloggers, and recharge rate for six hours (on each pump). And the office work included compensating the levellogger data, using AQTESOLV software to calculate hydraulic conductivity of the aquifer, and preparing report for client. The report eventually recommended client that what type of remediation and ground water extraction system was suitable for the site.

Environmental Scientist –

ENVO CARE Environmental and Facility Management

August 15, 2019 – March 6, 2020

Somerset, New Jersey

- ❖ Performed site inspections and report writing for Preliminary Assessment Report (PAR), Site Investigation Report (SIR), and Remedial Action Report (RAR).
- ❖ Effectively communicated with clients to ensure work is completed on time, within budget and to the highest scientific and technical standards.
- ❖ Underground storage tanks (UST), and hydraulic lift removal oversight and field sampling.
- ❖ Supervised installation of temporary wells and permanent monitoring wells, and conducted field soil and groundwater sampling. Supervised contaminated soil disposal activities and preparing manifests.
- ❖ Supervised Ground Penetration Radar (GPR) Survey.

At ENVO CARE, I got to learn more about the field sampling procedures related to collection soil samples. I got hands on experience on things like where to take soil samples and what depth when USTs removal are involved and same when hydraulic lifts removal are involved. Additionally, I learned to decide what analytes the soils samples should be analyzed for and New Jersey Department of Environmental Protection (NJDEP) remediation standards. Managing contractors performing excavations work and learning the applicable health and safety protocols were the best lessons learned.

**Environmental Scientist – RSB Environmental
Houston, Texas**

May 23, 2017 – July 15, 2019

- ❖ Provided project management services in the following areas: soil and groundwater investigations at sites ranging from retail fueling stations to industrial facilities and former manufactured gas plants; due diligence ESA; expert witness research and reporting; indoor air studies; data analysis and validation; corrective action design and implementation; plume stability monitoring; regulatory reporting; regulatory communication and site closure assessments.
- ❖ Developed new long-term clients by capitalizing on networking through personal and business relationships while successfully managing projects ranging from several thousand dollars monthly.
- ❖ Conducted site inspections, and report writing for projects including Phase I and Phase II Environmental Site Assessment (ESA), Property Condition Assessment (PCA), Construction Monitoring (CM), and Plan & Cost Review (PCR) projects.
- ❖ Prepared Stormwater Pollution Prevention Plan (SWPPP) and Spill Prevention Control and Countermeasure Plans (SPCC).
- ❖ Performed bi-monthly health and safety inspections for clients including industrial facilities.

At RSB, the main thing I learned was to perform Phase I and II ESAs. The most challenging project that I managed was Phase I ESA of a multi-story building located in downtown Houston. The Property had over 500 nearby listings including RCRA listing, leaking underground storage tanks listing, dry cleaners listing, and many more. The site inspection took almost five hours and report writing was completed in four days. Eventually Phase II limited subsurface investigation was conducted that involved at least 10 monitoring wells installation and furthermore one year of ground water monitoring.

**Graduate Research Assistant – Texas A&M University
Kingsville, Texas**

June 10, 2016 – May 05, 2017

- ❖ Worked as a Graduate Assistant on “Seasonal Monitoring of Water Quality and Wastewater Effluent Discharge along the Lower Rio Grande, Texas.” – A project governed by TCEQ.
- ❖ Performed water sampling, results analysis, prepared technical reports for each sampling events and submitted reports to TCEQ, used ArcGIS for preparing maps to locate sampling stations and wastewater treatment plants.

**Graduate Research Assistant – Texas A&M University
Kingsville, Texas**

Dec 15, 2015 – May 10, 2016

- ❖ Worked as a Research Assistant on project “A database inventory of oil-field waste and a preliminary study of illegal dumping of oil-field waste in South Texas”. Learned to analyze contaminated soil samples on Gas Chromatography-Mass Spectrometer (GC-MS), and preparing maps on ArcGIS for locating sampling locations with different layers showing buffer zones for area of contamination.

**Laboratory Assistant – Texas A&M University, Kingsville
Kingsville, Texas**

Oct 10, 2016 – May 05, 2017

- ❖ Performed calibration and maintenance of laboratory instruments, set-up laboratory for both undergraduate and graduate laboratory course (Environmental monitoring and measurement course), inventory control.
- ❖ Inspected 13 laboratories in Environmental Engineering Department, to comply with safety requirements.

**Vijay Construction – Civil Engineer (India)
Nagpur, Maharashtra**

Jan 10, 2014 – Dec 23, 2014

- ❖ Executed construction work of Ambedkar Bhawan, a Community Hall and head office for Food Inspection Department, designed few sections of ‘Empress City Mall’ using AutoCAD and submitted blueprints to Municipal Corporation for approval.
- ❖ Responsible for surveying, dealing with clients, guiding labour contractor and execution of construction work efficiently.

SMS Infrastructure Ltd – Junior Civil Engineer (India)
Nagpur, Maharashtra

May 23, 2013 – Dec 28, 2013

- ❖ Executed construction work of 30 meters' weir, 30 meters' bridge over weir, 64 meters' inlet channel, Grit Chamber, Fore-Bay and Pump House.
 - ❖ Responsible for surveying, concrete testing, soil testing, maintain daily progress report, solve breakdowns in construction activities efficiently.
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EDUCATIONAL QUALIFICATIONS:

Master of Science (Environment Engineering)
Texas A & M University Kingsville, Texas

May 2017
GPA: 3.60/4.0

Course work:

Geo-Informatics Systems (GIS), Water Resource Engineering, Fundamentals of Solid Hazardous Waste Management, Physical and Chemical Water Treatment, Chemical Principles of Environmental Design, Fundamentals of Environmental biotech, Fundamentals of Air quality and pollution control, Environmental monitoring and measurements, Environmental regulations and policies, Engineering optimization in environmental systems.

Honors & Awards:

- ❖ Runner up at Prairie View A&M poster presentation, 2016.
- ❖ Received CREST-RESSACA Scholarship, 2016-2017.

Bachelor of Engineering (Civil Engineering)
RTMN University Nagpur, India

May 2013
GPA: 3.5/4.0

Course Concentration:

Construction and Planning, Construction Technology & Project Management, Strength of Materials (I, II), Structural Analysis-I, Advanced Structural Analysis, Design of Reinforced Concrete Structures, Design of Steel Structures, Elements of Earthquake Engineering, Rehabilitation and Retrofitting of structures.

Honors & Awards:

- ❖ Achieved 1st Prize in a Nationwide Technical Presentation.
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TECHNICAL TRAINING:

- ❖ OSHA 40 Hours HAZWOPER training.
 - ❖ NYS DEC-4 Hour Erosion and Sediment Control Training.
 - ❖ PEC oil and gas safety training provided by Texas A&M University, Kingsville. (2016)
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SKILLS:

Design & Planning: AutoCAD, ArcGIS, Solid Works, Revit, MINTEQ, AQTESOLV.

VOLUNTARY WORK:

- ❖ Worked as volunteer with “Ashford United Methodist Church” for cleanup activity, post Cyclone Harvey (2017).
- ❖ Working as volunteer and active member of Texas Association of Environmental Professional (TAEP) in various social and professional activities.
- ❖ Worked as volunteer in “Adopt a beach”- a beach cleanup activity at Corpus Christi, organized by Air and Waste Management Association AWMA (2016).