

# MAHANDAR B OAD

7100 Almeda Rd Apt 2122 Houston, TX 77054  
(346) 397-5003 | mahandaroad24@gmail.com | [LinkedIn](#)

## CAREER PROFILE

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Second-year M.S. in Engineering Data Science student at University of Houston who can offer:

- High-level communication skills to liaise with a diverse range of internal and external stakeholders gained through part-time work.
- A natural flair for understanding new technology and out of box solutions associated with data handling and analysis.
- Naturally inquisitive mind to understand and apply new concepts learned through academic and real-life experiences.

## EDUCATION

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**University of Houston, Texas, United States of America** **Jan 2021 – Dec 2022**  
Master of Science in Engineering Data Science | 3.13 CGPA

- Currently, in the third semester, I am taking these courses: Big Data Analytics, Big Data Analysis and Applications, and Learning Meets System & Control.
- In previous semesters, I have completed these courses: Machine Learning, Machine Learning & Computer Vision, Probability, and Control Systems Analysis & Design.
- Planning to cover the following aspects of Data Science during Master's Program:
  - Big Data Analytics
  - Artificial Intelligence
  - Database Systems (SQL)

**Mehran University of Engineering & Technology, Jamshoro, Sindh, Pakistan** **Jan 2015 – Dec 2018**  
Bachelor of Engineering in Petroleum & Natural Gas Engineering | 3.83 CGPA

- Graduated with 2<sup>nd</sup> Position in a class of 94 students.

## EXPERIENCE

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**Dr. Venkat Selvamanickam Research Group** **April 2021 – to date**  
Graduate Research Assistant | University of Houston, Texas, United States of America

- Assisting Ph.D. students in research work related to high-temperature superconductors for energy applications ([Link](#)).

**Mari Petroleum Company Limited** **June 2018 - July 2018**  
Intern | Reservoir Department, Head Office, Islamabad, Pakistan

- Different engineers delivered demonstrations on topics such as Production Monitoring, Extended Well Testing, Modular Dynamic Testing, Drill Stem Test, Well Test Analysis, Production Logging, and Open Hole Logging.

## FINAL YEAR PROJECT

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**Reserve Estimation, Well Performance & Optimization of X-Gas Field Using IPM Suite**

- To estimate reserves in a gas field, using the MBAL simulator.
- To conduct an optimization study on the gas field using PROSPER and GAP simulators.

## ACHIEVEMENTS

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- Secured Engineering Dean's Masters Scholarship at the University of Houston for 1<sup>st</sup> year of graduate study.
- Merit Certificate for achieving 2<sup>nd</sup> Position with 3.83 CGPA.
- Final Year Project accepted in the Student Paper Contest at the Annual Technical Conference, Islamabad 2018. Presented there and received a shield of appreciation as Author.
- Secured 2<sup>nd</sup> Position in Poster Presentation Competition, PetroFeast 2018. Awarded with a cash prize.
- A laptop was awarded based on my class rank in 2017.
- Secured Merit Scholarship throughout four years of undergraduate study.

## EXTRACURRICULAR ACTIVITIES

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### Treasurer

**Oct 2017 - Sep 2018**

SPE Mehran Student Chapter

- Responsible for governing the finance of my department during minor and mega-events held in that one year.

### Representer

**22-23 November 2017**

Annual Technical Conference & Oil Show, Islamabad 2017

- Along with my team members, represented the SPE Mehran Student Chapter at the Annual Technical Conference & Oil Show Islamabad, 2017. This representation aimed to bridge the communication path between our Petroleum Engineering department and professionals of the oil industry in order to conduct technical, motivational, and short courses in our department, and to arrange field visits and internships for the student of our department.

## SEMINARS

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- Attended a one-day seminar on Coil Tubing conducted by SPE Pakistan Section at Mövenpick Hotel, Karachi.
- Attended a three-day workshop on "Professional Development of Mehran University Students."
- Attended a one-day seminar on Occupational Health & Safety conducted by Safety Trends International.

## MOOC (MASSIVE ONLINE OPEN COURSE)

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- Four-week course "From Exploration to Distribution" conducted by IFP School France.

## TECHNICAL SKILLS

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- Python
- MATLAB
- C++
- MS Office
- MBAL
- PROSPER
- GAP
- ECLIPSE