Greetings, I am Prasadi Thilanka Senadeera, a dedicated Data Analyst Engineer currently contributing my expertise to Cleanwatts in Portugal. My journey through life has been defined by dedication, pursuit of knowledge, and a passion for excellence.

My academic journey commenced in 1996 when I started on my education at a local village school. Destiny smiled upon me in the form of a life-altering opportunity: passing the grade five scholarship examination, which paved the way for admission to the nation's most prestigious educational institutions. This significant milestone ignited my academic journey, during which I consistently excelled. By the time I completed my secondary education, I had stamped my name among the top 100 students in the country, earning distinctions in all subjects.

With the determination to specialize in mathematics, I entered high school. Out of approximately 300,000 candidates, I was among the privileged 5% who secured a university entrance spot in Sri Lanka. In 2013, I took my first steps into the world of Geomatics at Sabaragamuwa University, enrolling in the Surveying Science program - a program recognized as a regional leader in South Asia. During my initial semesters, I immersed myself in core courses, passionately absorbing all that this remarkable field had to offer. But a profound change was in the air, as my focus shifted towards the realm of remote sensing (RS) and Geographical information systems (GIS). By the fifth semester, I decided to be specialised in RS and GIS by shifting my direction to the specialization in RS and GIS.

My quest for international exposure and expertise began during my undergraduate program, ultimately leading me to the prestigious Geoinformatics Centre at the Asian Institute of Technology in Thailand, where I successfully secured an invaluable internship opportunity. Here, I had the unique privilege of learning from and collaborating with global experts in the field of remote sensing. As I reached the conclusion of my four-year undergraduate journey, I graduated with First Class Honours, earning a gold medal for my exceptional performance, and proudly securing the highest final grade point average (GPA-3.82 out of 4) with distinction passes for specialized courses in my graduating class

In 2013, my academic expertise and multifaceted abilities opened doors to a teaching assistant role within the Department of Remote Sensing and GIS - a mere two months after my graduation. My responsibilities extended to instructing first-year and second-year undergraduates in land surveying field practices, as well as delivering practical classes on remote sensing and GIS to specialization students. Promoted to the role of Assistant Lecturer in 2018, I continued to shape the future of students through comprehensive teaching, practical exam design, and contributed to other academic programs within the university.

As I embarked on my journey towards further academic growth and a broader horizon, I secured a full scholarship for the Master of Science in Geospatial Technologies program in 2019. This collaborative initiative, involved three esteemed institutions, the University of Münster (Germany), the New University of Lisbon (Portugal), and the University Jaume I (Spain), presented me with an invaluable opportunity to delve deeper into my chosen field.

During this time abroad, my expertise expanded into several fields, including GIS, data science, and computer programming. I developed an automatic road extraction method using U-Net image segmentation models as the final thesis of my master's program. This experience enriched my knowledge and proficiency in artificial intelligence, machine learning, and AI modules in Python programming.

Just after graduation, I joined Startuplo Lda in Portugal, a startup company that leverages geospatial data and artificial intelligence to create transformative products and services with a positive impact on human life and the world. As a geospatial data analyst, I engaged in various projects spanning Agriculture and Vegetation, Environmental Disaster Risk Mapping, Climate Change and Renewable Energy, Urban Planning, and Tourism initiatives. My role involved applying GIS, data science, and machine learning concepts to acquire and analyse data for these projects, contributing to innovative solutions and informed decision-making.

After worked almost 2 years, I have shifted to the Cleanwatts, a leading company in Renewable energies as Data analyst engineer. During my work at cleanwatts I have developed Machine learning models in forecasting the generation and production of solar power panels established at energy communities and have been successfully supporting to develop a web-based application for clients as well as the company to store, analyse and visualize the data and information related to the energy communities.

With an unwavering commitment to excellence and a relentless pursuit of knowledge, I am poised to infuse boundless energy and unwavering enthusiasm into any future opportunities that beckon.

Greetings, I am Prasadi Thilanka Senadeera, a dedicated Data Analyst Engineer who is currently engaged in contributing expertise to Cleanwatts in Portugal. My life journey has been marked by dedication, a thirst for knowledge, and an unwavering pursuit of excellence.

The commencement of my academic journey dates back to 1996 when my education was initiated at a local village school. Fate smiled upon me in the form of a life changing opportunity, as the grade five scholarship examination was passed, paving the way for admission to the nation's most prestigious educational institutions. This significant milestone ignited my academic journey, during which I consistently excelled. By the time I completed my secondary education, I had stamped my name among the top 100 students in the country, earning distinctions in all subjects.

Upon finishing my secondary education with distinction, I made the choice to pursue further studies in the field of Physical Sciences, encompassing Mathematics, Chemistry, and Physics. Out of approximately 300,000 candidates, I was among the privileged 5% who secured a university entrance spot in Sri Lanka. In 2013, my journey into the world of Geomatics commenced at Sabaragamuwa University as I enrolled in the Surveying Science program, renowned as a regional leader in South Asia. My initial semesters were dedicated to core courses, with a profound shift in focus towards remote sensing (RS) and Geographical Information Systems (GIS) occurring by the fifth semester, leading to my specialization in RS and GIS.

My quest for international exposure and expertise was initiated during my undergraduate program, concluding in an internship opportunity at the Geoinformatics Centre at the Asian Institute of Technology in Thailand. As my four-year undergraduate journey concluded, I graduated with First Class Honours, earning a gold medal for exceptional performance and securing the highest final grade point average (GPA-3.82 out of 4) with distinction passes for specialized courses in my graduating class.

In 2013, my academic expertise and multifaceted abilities paved the way for a teaching assistant role in the Department of Remote Sensing and GIS, a mere two months after my graduation. Responsibilities extended to instructing first-year and second-year undergraduates in land surveying field practices and delivering practical classes on remote sensing and GIS to specialization students. Following my promotion to the position of Assistant Lecturer in 2018, my contributions extended to encompass thorough teaching, the design of practical exams, and active involvement in other academic programs throughout the university.

As I embarked on a journey towards further academic growth and a broader horizon, a full scholarship for the Master of Science in Geospatial Technologies program in 2019 provided me with the opportunity to delve deeper into my chosen field. This collaborative initiative involving three esteemed institutions, the University of Münster in Germany, the New University of Lisbon in Portugal, and the University Jaume I in Spain, expanded my expertise across various fields, including GIS, data science, and computer programming. My final thesis, focusing on an automatic road extraction method using U-Net image segmentation models, enriched my knowledge and proficiency in artificial intelligence, machine learning, and AI modules in Python programming.

Following graduation, I became part of Startuplo Lda in Portugal, a startup company that harnesses geospatial data and artificial intelligence to create transformative products and services with a positive impact on human life and the world. Engaged as a geospatial data analyst, I contributed to several projects spanning Agriculture and Vegetation, Environmental Disaster Risk Mapping, Climate Change and Renewable Energy, Urban Planning, and Tourism. My role involved applying GIS, data science, and machine learning concepts to acquire and analyze data for these projects, thereby contributing to innovative solutions and informed decision-making.

After nearly two years, a transition occurred as I joined Cleanwatts, a leading company in Renewable Energies, as a Data Analyst Engineer. During my tenure at Cleanwatts, I contributed to the development of Machine Learning models for forecasting solar power generation and production at energy communities. Additionally, I played a pivotal role in the creation of a web-based application to store, analyse, and visualize data and information related to energy communities, benefiting both clients and the company.

Today in 2023, as I reflect upon my journey, I take immense pride in my accomplishments and the path I've traversed. My journey through life remains resolute in its commitment to excellence and a constant thirst for knowledge. I am self-confident and ready to infuse abundant energy and unwavering enthusiasm into any forthcoming opportunities that come my way.