Career Goals

Skills and knowledge utilisation:

I'm currently studying for the Skills Bootcamp in Data Science, where I'll be learning Python features. I'm already familiar with user-defined functions and object-oriented programming (OOP) to build reusable, scalable solutions and design complex systems, and I use strings, lists and dictionaries to manipulate data structures. These competencies make me well-suited for roles in Data Science, where problem-solving, automation, and data handling are key to business success.

Application of skills:

I intend to use these skills to become a Data Scientist or Data Engineer. For example, I will help companies to build predictive models to forecast outcomes and improve strategic planning. One of the projects is to build predictive models to forecast disease outbreaks using patient data. Another project is to develop models to predict stock price movements and guide investment strategies. Because the first data science real-life example is the manufacturing industry.

Services offered:

With my skills, the services I will offer involve predictive modeling for disease outbreaks, stock price prediction and investment guidance, data warehousing and analytics optimization, strategic planning and business intelligence.
By offering these services, I will help businesses leverage data to improve operational efficiency, enhance strategic decision-making, and reduce risks and uncertainties. Whether it's forecasting disease outbreaks to improve public health responses or predicting stock price movements to guide investment strategies, my goal is to provide valuable data-driven solutions to meet clients' needs.

Building on existing experience:
Leveraging my electrical engineering background, my strong experience of diagnosing and maintaining complex systems, technical systems, and data interpretation combined with my familiarity with tools like MATLAB and Proteus, demonstrates my ability to work with both hardware and software—skills that can translate seamlessly into data engineering tasks like data pipelines and system optimization. By leveraging my analytical mindset and newly acquired data science skills, I can design efficient data systems, ensuring their reliability and scalability, just as I did with electrical infrastructures.

Marketing strategy:

To find self-employment opportunities in data science, I will build a strong portfolio showcasing my expertise in areas like predictive modelling, data visualization, and machine learning, and leverage platforms such as LinkedIn, GitHub, and freelancing websites to connect with potential clients. Early in my career, I may find a mentor.

Additionally, attending industry events keeps me current on trends and new technology but also provides valuable contacts and networking.

Timeline:

Months 1-2: Complete the Skills Bootcamp and complete online courses on Coursera.

Month 3: Develop a strong portfolio by creating small, impactful projects using public data sets to demonstrate competence (e.g. breast cancer detection system, fake news detection model, credit card fraud detection system).

Month 4: Create or optimize LinkedIn and GitHub profiles, join data science communities on Reddit, Discord, and specialized forums.

Month 5: Start building my network by creating profiles on freelance sites, attending virtual or face-to-face data science conferences and meetings, and start networking on LinkedIn with experienced data scientists.

Month 6: Generate customer interest in regularly sharing my projects and ideas on LinkedIn, approaching small businesses or startups that could benefit from data science solutions, and offering free services to create testimonials and case studies.

Months 7-8: Obtain my first contract by delivering high quality results to ensure a professional relationship with my first client.

Month 9: After securing my first contract, I will continue to develop my network, keep abreast of industry trends, develop recurring revenue models and invest in my brand image to attract high-value clients.