Dinesh B

Hi, I'm Dinesh Balasubramaniam. I graduated from PSG College of Technology with a degree in Electronics and Communication Engineering. I started my schooling at the Dr. PGV Matriculation Higher Secondary School in Coimbatore. I later relocated to Tirupur, where I completed my secondary education at Kannammal National Matric Hr. Sec. School, Palladam, Tirupur and high school education at Veveaham Matric Hr. Sec. School, Dharapuram, Tirupur.

Through projects and internships, I was able to obtain real-world experience. Samsung PRISM, Samsung R&D Institute offered a virtual internship that focuses to create an AI/ML-based alarm correlation system. Later Bosch Global Software Technologies, Coimbatore, offered a two-month offline internship providing opportunity to learn about the fundamental operation of electric vehicles, including inverters and their types and internal communication.

During my four-month internship at BGSW, I focused on ECU (Electronic Control Unit) test tools and Python programming for COM-Testing in electric vehicle (EV) inverters. I acquired practical knowledge by actively using ECU test tools to assess the effectiveness and operational capabilities of EV inverters.

For my projects, machine learning was my main area of interest.

1. I developed a real-time technique for identifying Corn Leaf Disease Using Deep Convolutional Neural Networks. This approach allows for the accurate diagnosis of three common diseases in corn leaves: rust, leaf spot, and gray spot. An API that shows treatment options for various classified diseases may be beneficial.

2. Natural language processing methods and transformer-based models are used in Abstractive Text Summarizing using NLP and Transformer to provide concise and coherent summaries of textual content. The method makes use of strategies like sequence-to-sequence models and attention mechanisms to comprehend the context of the input text and provide a summary that encapsulates the essential details and concepts of the original content.

ONLINE CERTIFICATE PROGRAMS
- PCB Architecture and Design on Cisco thingQbator.
- PCB Designing in Altium Designer on Udemy.
- Java Programming: Solving Problems with Software on Coursera.
- Front end Development – HTML, CSS on Great Learning.
- Virtual Workshop on Data Science using Python.

Beyond the technical sphere, I also like to plan innovative and creative events. I volunteered with the National Service Scheme, YRCS, and Animal Welfare clubs during my time at college.

I enjoy watching rom-coms and crime-related movies & series. With pals, I often play kabaddi and cricket. I love to explore the hills and forests and find relaxed in nature. I adore making food, especially desserts. Of course, music. It's everything and a therapeutic medium. And indeed, pets. Their surprising tenderness and love make my thoughts chill.

Improving my physical and emotional well-being while traveling and experiencing new places is my constant mission. With a background in engineering, I'm driven by the constant pursuit of knowledge and innovation. I'm known for my ability to lead and inspire others, fostering a collaborative and dynamic environment where ideas flourish.

Thank You,
Dinesh B (MS/ESK1-TM-XC)