Tanisha Keshavan

tanisha2003k@gmail.com | +91 8050458925 | https://github.com/tanisha0303

Education

- Bachelor of Technology , Electronics and Communication - Manipal Institute of Technology, Manipal, India
  Graduating Year - 2025 CGPA - 7.6
- Science Steam , PCMB - Vidya Mandir Pre-University College, Bangalore, India
  Graduated Year - 2021 Overall percentage - 97.6%
- High School - Cluny Convent High School, Bangalore, India (School Topper)
  Graduated Year - 2019 Overall percentage - 99%

Skills

- Coding : Python, C, SQL
- Microsoft Office: Excel, Power point
- Python Libraries : Numpy, Pandas, Matplotlib, Tensorflow, Sci-kit Learn and Seaborn
- Simulation Software: Multisim, LTspice, Proteus, Matlab
- Data Visualization Tools : Power BI, Tableau, Matlab
- Soft Skills: Strong communication and written Skills, Teamwork
- Other: AI, Data Analytics, Data Cleaning, Machine Learning , Deep Learning
- Technical : Microcontrollers, Circuit Analysis, Oscilloscope, Soldering

Projects

Sales Data Science Project:

- Used Python libraries Pandas, Matplotlib and Seaborn to analyze and answer business questions about 12 months worth of sales data that contains hundreds of thousands of electronics store purchases broken down by month, product type, cost, purchase address, etc.

Power BI Dashboard Project:

- Created a dashboard with the help of Power Bi to compare between different data professions in data.
- Transformed and processed data by using DAX and Excel to ensure data completeness and validity
- Explored various data visualization charts in Power BI to share and present suitable dashboards

Spam Classification Project:

- Preprocessed and analyzed data to make it ready for model building.
- Used Random forest and Support vector Classification models to classify messages into spam and ham and finally compared them using evaluation metrics.

CNN Project:

- Clasification of cats and dogs using pre- trained models VGG16 and RESNET50 and compared the performance of both of them.

Electronic Mini Projects:

- Digital Tachometer

- Built a digital tachometer and conducted simulation along with my team using Arduino as a part of my coursework.

- Password based Circuit breaker

- Worked on the password based circuit breaker(4 loads) using AT89S52 microcontroller and development board which finds its application in preventing line man accidents. Simulation done using Proteus.

Extra Curriculars

IE-E&C **Nov 2022- Present**

Technical Advisory Board Member

- Conducted technical workshops and events for the club.
- Part of the editing team of official editorial of ECE "Bits and Bytes'.

Skills: Soldering, Electronics, Microcontrollers, Oscilloscope, Leadership, PCB design

PROJECT DRONAID **Nov 2022- Sep 2023**

Electronics Team Member

- Represented the country and university in the UAS challenge competition held in the United Kingdom in June 2023.
- Supervising the electronic assembly and integration processes in UAV, ensuring quality work is done in a safe and efficient manner
- Built drones, fixed wing and VTOL from the ground up to provide community-level medical emergency services using the most recent technological advancements.

Skills: Soldering, Electronics, Ground Control System, Oscilloscope

MANIPAL INSTITUTE OF TECHNOLOGY **Jan 2024- Present**

Research Assistant

- Working on a deep learning research project in the bio-medical field under prof. Anu Areeckal, Manipal Instititute

Skills: Data Analytics, Deep Learning, Machine Learning, Data Visualization, Literature reading, Python, Presentation skills

Work Experience

FORMI **July 2022- Sep 2022**

Content Writing Intern

- Crafted content for blogs and articles for the company's website.
- Handled the content for the company's Linkedin page.
- Crafted content for social media posts of the company.

Languages

- Fluent in English, Tamil, Hindi and Kannada.