GAYATHRI DEVI NAGALAPURAM

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PROFILE

To get a challenging career, where I can enhance my professional experience and contribute significantly by using my skills and knowledge to add value to the organization.

SKILLS

Programming Languages	Python, C, C++
Web Development	HTML, CSS
Web Frameworks	Flask, Streamlit
Databases	MySQL
Machine Learning Libraries	Pandas, NumPy, Scikit-learn
Data Visualization tools	Tableau Desktop, Seaborn, Matplotlib
Operating Systems	Windows 10, Ubuntu
Industry Knowledge	Data analysis, Data Visualization, Machine learning
Interpersonal Skills	Teamwork, Communication

LANGUAGES

- English
- Hindi
- Telugu

EDUCATION

2018- Present — **Dayananda Sagar University (DSU)**
Bangalore, Karnataka
Bachelor of Technology
Computer Science Engineering
Current CGPA: **9.39**

2016- 2018 — **Narayana Junior College**
Kurnool, Andhra Pradesh
Intermediate
MPC
Percentage: **98.5 %**

2015-2016 — **Ravindra EM HS Girls**
Kurnool, Andhra Pradesh
X-board
GPA: **10**

INTERNSHIP EXPERIENCE

Intern at Nokia Bell Labs (*2nd Mar 2021 – Present)*

Working on a Nokia Bangalore University Collaboration project with Nokia Bell Labs as an intern from Dayananda Sagar University.

Knowledge Intern at Indian Institute of Science(IISc)

(14th Jun 2021 - 1st Aug 2021)

Gained exposure to IISc Smart Factory Platform and technologies: Industry 4.0, Robotics, Digital Twins, AR/VR, etc as a summer intern at Centre for Product Design and Manufacturing (CPDM), IISC by attending the research seminars, and submitted a report summarising the research delineated in these seminars.

Intern at Widhya *(4th Jan 2021 – 4th Feb 2021)*

Worked on Machine Learning projects using different algorithms for four weeks as a part of winter internship program.

CERTIFICATIONS

- Cleared the assessment tests of Hacker Rank for **Python(Basic), SQL (Basic), and SQL(Intermediate)**
- Claimed badges from IBM by completing courses on **Machine learning** and **Data Analysis**
- Completed the course **Programming Foundations with JavaScript, HTML and CSS** on Coursera.

OTHER ACTIVITIES

- Participated in **5th National Level Project Competition -2021** organized by IEEE Student Brach, GSSSIETW in association with IEEE Bangalore section and IEEE Mysore Subsection With "Media Player Control using Hand Gestures".
- Participated in **Innovations in Manufacturing Processes (IMP-2021)** competition organized by INAE and IIT Hyderabad on event of NaTFoE.
- Participated in Guinness World Record event "**AI for India 1.0**" organized by AICTE-India and GUVI
- Completed '**Fundamentals of Linux and Data Analytics**' course organized by Dayananda Sagar University & Vodafone Intelligent Solutions University Engagement Program.
- Worked on a project **'Forest fire detection and control using drone'** during summer workshop 2019 organised by DSU in association with CSI, Student Chapter, Bangalore.

PROJECT EXPERIENCE

Controlling Media Player with Hand Gestures using Convolutional Neural Network (Minor Project)

- A web application that predicts the hand gestures of the users in front of a web camera and performs the integrated control function on the media player.
- Developed using Python and OpenCV for Data Collection and Model prediction, PyAutoGUI for Keyboard Key Controls and Streamlit for the user interface.

Hospital Management System (Mini Project)

- This project computerizes the Front Office Management of hospitals by developing software that is user-friendly, simple, fast, and cost-effective and deals with the collection of patient information, diagnosis details, etc.
- Developed using Python and MySQL for the backend, sqlite3 for storing information, and Tkinter for the user interface.

Road Networking System (Mini Project)

- This project uses Dijkstra's algorithm to find the shortest path among the 10 cities.
- Developed using Python for the backend, the Folium package to display the map for a better understanding of the path from source to destination, Tkinter for the user interface, and HTML file to store output and display the shortest path based on the user input.

Breast Cancer Prediction Web App (Personal Project)

- A Web application that predicts whether the sample cells are benign or malignant using a Support Vector Machine (SVM).
- Developed using Python for backend, Flask along with HTML, CSS, and Bootstrap for user interface, and Heroku for deployment.

Meteorological Data Analysis (Personal Project)

- The main objective is to perform data cleaning, perform analysis for testing the Influences of Global Warming on temperature and humidity, and finally put forth a conclusion.
- Developed using Python Machine learning libraries such as Pandas, NumPy, Matplotlib and Seaborn.

I hereby declare that the above details are true to the best of my knowledge.

Place: Bengaluru. Gayathri Devi Nagalapuram