

# Avinash N Bhat

1MS23SCN02

computer Network Engineering

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🐙 GitHub Profile

🌐 LinkedIn Profile

## EDUCATION

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### •Master of Technology in Computer Network and Engineering

2023-25

*M S Ramaiah Institute Of Technology*

CGPA:7.72

### •Bachelor of Engineering in Computer Science and Engineering

2019-23

*SDM Institute Of Technology*

CGPA:7.69

## PERSONAL PROJECTS

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### •Network Intrusion detection System

*Network threat detection system for various cyber threat*

- Developed a Network Intrusion Detection System (NIDS) using a Random Forest classifier, achieving a detection accuracy of 96 percent.
- Designed and implemented the system to identify the malicious network activity.
- Technology Used: Python, Scikit-learn, Streamlit, Pandas, NumPy, Jupyter Notebook, VSCode.

### •Brain Tumor Detection Using Deep Learning

*User-friendly website for detecting brain tumors based on MRI images.*

- Developed an interface allowing users to upload MRI images for brain tumor detection with the detection accuracy of 95 percent .
- Utilized a convolution neural network ResNet50 to classify the type of brain tumor from the uploaded MRI images.
- Technologies Used: Python, HTML, javascript, CSS, Bootstrap, Flask, MongoDB, Convolutional Neural Network.

### •Weather prediction Using Machine Learning

*A Weather Prediction website*

- Django-based weather prediction website with user authentication.
- Implemented a Naive Bayes algorithm to generate weather forecasts based on user inputs, achieving a detection accuracy of 86 percent
- Technologies: Python, Django, Bootstrap, HTML, CSS, SQLite, Scikit-learn

## EXPERIENCE

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### • Software engineering intern

Aug 2022 - Sep 2022

*Techciti, Bangalore*

Offline

- Developed a web application for weather prediction, implementing front-end interfaces and back-end algorithms to process and display real-time meteorological data..
- Utilized technologies such as HTML, CSS, JavaScript, and Python to build a responsive and user-friendly interface.

### •Data visualization Virtual Intern

Aug 2023 - Sep 2023

*Tata via Forage*

Online

- Created interactive data visualizations using Tableau to present complex datasets in a comprehensible and visually appealing manner.
- Analyzed and interpreted data to generate actionable insights and support decision-making processes.

## TECHNICAL SKILLS AND INTERESTS

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**Languages:** C, Python, Java

**Libraries :** Sklearn, Tensorflow

**Web Dev Tools:** VScode, Github

**Frameworks:** Django, Flask

**Databases:** MySQL

**Relevant Coursework:** Data Structures & Algorithms, Cloud Computing, Data Science

**Soft Skills:** Problem Solving, Self-learning, Presentation, Adaptability

## ACHIEVEMENTS

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### •Published research paper : "Brain Tumor prediction using deep learning" in IRE Journals

2023