AVINASH RAJ

B.Tech. - Electronics Engineering
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MIT | Academy of Engineering
(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

BRIEF SUMMARY

To work with maximum potential in a challenging and dynamic environment, with an opportunity of working with diverse group of people and enhancing my professional skills with learning and experience for career growth.

KEY EXPERTISE

Java | DBMS | Machine Learning | Deep Learning | Python | MongoDB | HTML | CSS | MySQL | ReactJS | NLP | Flask | Javascript | Data Structures | Algorithms

EDUCATION

MIT Academy of Engineering, Pune   2020 - 2024
B.Tech. - Electronics Engineering | CGPA: **8.02 / 10**

Y.B Patil Polytechnic, Akurdi, Pune   2021
Diploma | Diploma - Electronics & Communication Engineering | MSBTE | Percentage: **85.24 / 100**

DAV PUBLIC SCHOOL, MTPS, KANTI, Muzaffarpur   2015
10th | CBSE | Percentage: **76 / 100**

INTERNSHIPS

The Exelligent Technologies   01 Jun, 2023 - 01 Aug, 2023
PHP Developer

Key Skills: PHP | HTML | CSS | MySQL | CodeIgniter | Laravel | XAMPP

Developed a web application using PHP and CodeIgniter framework with three modules:

1. User Module: User registration, login, profile management, password change, and logout.
2. Admin Module: Admin login, user management, delete users, password change, and logout.
3. Teacher Module: Admin-managed teacher module with CRUD operations, and importing teachers via Excel files.

PROJECTS

Chatting Application   20 Dec, 2023 - 24 Dec, 2023
Team Size: 1

Key Skills: Java | Java Swing | Socket Programming | IntelliJ IDEA

Developed a collaborative messaging application using Java and the Spring framework. The server code establishes socket connections, efficiently managing communication among multiple clients. Each client is encapsulated as an independent Java class with a user-friendly graphical interface built on Swing. The application facilitates seamless message exchange in a chat-like interface, enabling users to send and receive messages. The communication between clients and the server is streamlined through socket programming.

Speech Language Recognition System   01 Nov, 2022 - 30 Apr, 2023
Mentor: Prof. Aniket Kemalkar | **Team Size:** 4

Key Skills: Machine Learning | Deep Learning | Python | Flask | HTML5 | CSS | Javascript | NLP | Pycharm

Developed a Speech Language Recognition System employing two methodologies. Initially utilized the Google speech recognizer library to convert live or recorded audio samples into text, performing language detection using the LangDetect library to identify English, Hindi, or Marathi languages. In the second approach, trained a custom deep learning model using MFCC feature extraction on a dataset sourced from Kaggle, Google Cloud, NPTEL sites, and various websites, totaling over 110,000 samples per language. Implemented RNN and later LSTM networks to address vanishing gradient issues, achieving accuracy rates of 60-70% through 100 epochs of training. Enhanced functionality included automatic file format conversion, MFCC feature extraction, and probability-based language output determination.

ASSESSMENTS / CERTIFICATIONS

Infosys Springboard Data Science Foundation Certificate
Aggregate: 86 / 100

NPTEL Online Certification
Aggregate: 56 / 100
Key Skills: Cyber Security and Privacy

Develop Soft Skills that Industry Demands
Key Skills: Communication Skills

Data Visualization using Tableau
Key Skills: Tableau   SQL   Data Visualization

SEMINARS / TRAININGS / WORKSHOPS

Fundamentals of Full Stack Development Institute Name: MIT Academy of Engineering, Pune   03 Apr, 2023 - 25 Apr, 2023
Key Skills: Java   SQL   XAMPP   Eclipse   HTML   CSS

IOT Foundation Workshop   12 Oct, 2022 - 14 Oct, 2022
Institute Name: MIT Academy of Engineering, Pune
Key Skills: IOT   Embedded Systems   Node Red   Mqtt   Node MCU   Arduino IDE

CO-CURRICULAR ACTIVITIES

- Engaged in a diverse range of sports activities throughout my academic journey, demonstrating proficiency in Kabaddi, Short-put, Volleyball.

PERSONAL INTERESTS / HOBBIES

- Reading
- Travel
- Exercise
- Music
- Sports

WEB LINKS

- Github - https://github.com/avinashraj5

PERSONAL DETAILS

Gender: Male
Marital Status: Single
Current Address: F-203, Disha Horizn, Alandi, Dehu-mosi road, Pune, Pune, Maharashtra, India - 412105

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Date of Birth: 15 Apr, 1999
Known Languages: English, Hindi and Basic Marathi
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