Bharathikannan Nithyanantham

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ABOUT ME

Creative and self-motivated computer scientist with good project management experience. Having strong foundations in math, data structures and algorithms, Python, Java, SQL, web development, machine learning, natural language processing, and blockchain. Passionate about artificial intelligence and educating the next generation of technology users.

EDUCATION AND TRAINING

B.E. Electronics and Communication Engineering

Anna University (Sri Eshwar College of Engineering) [07/2017 – 05/2021]

Address: 641202 Coimbatore (India)
Grade: 8.76 / 10 (upto 6th semester)
Type of credits: CBCS – **Number of credits:** 186

Higher Secondary Certificate

Bharathiya Vidya Mandir Matriculation Higher Secondary School [06/2016 – 04/2017]

Address: 642002 Coimbatore (India)
Final grade: 91 %
National classification: 12th Standard

Secondary School Leaving Certificate

Bharathiya Vidya Mandir Matriculation Higher Secondary School [06/2014 – 04/2015]

Address: 642002 Coimbatore (India)
Final grade: 96%
National classification: 10th Standard

PROJECTS

Prioritor [12/2019 – Current]

Built a full-stack web app that allows the staff in the ambulance to send the patient's condition to the Accident & Emergency department of the hospital before the arrival. Designed the entire backend and also created the front-end for the hospital and ambulance side.

Shortlisted for the semifinal stage of TI-IICDC 2019 organized by Texas instruments and DST, Government of India.

Technologies used: HTML/CSS, JavaScript, PHP, SQL.

Audio Patient Guider [09/2018 – 10/2018]

Developed a web-app that records the audio description given by the doctor and stores them in the cloud. QR code of the audio link will be generated and it will be given in the prescription.

Technologies used: HTML/CSS, JavaScript

DIGITAL SKILLS

Programming
Python / Java / PHP / JavaScript / C / MATLAB / SQL / HTML / CSS

Tools and Frameworks
Git / Bootstrap / Numpy / Pandas / Matplotlib / Scikit-Learn / Tensorflow / PyTorch

HONOURS AND AWARDS

IICDC-2019 Semi-finalist
Texas Instruments and DST, Government of India [01/2020]

Led and managed a team of six in developing the healthcare software (Prioritor). Shortlisted for top 750 among 18000+ projects from all over India for the semifinal stage. (https://youtu.be/zesrWkvJU0E)

Technical Paper Presentation - First Prize
Hindusthan Institute of Technology, Coimbatore, India [08/2019]

Secured First Prize in a Paper Presentation contest in a National level technical symposium.

CERTIFICATES

Natural Language Processing Specialization - Coursera [08/2020 – 10/2020]

Designed NLP applications that can perform machine translation for English to German sentences, sentiment analysis, question answering, summarize text and also created a chatbot using the reformer model.

Deep Learning Specialization - Coursera [12/2019 – 03/2020]

Gained knowledge on the foundations of deep learning and how to build neural networks from scratch. Worked with ANNs, CNNs, RNNs, LSTM, Dropout, Adam, YOLO algorithm, ResNet, and more.

MANAGEMENT AND LEADERSHIP SKILLS

Vice President of Higher Education and International Relations
Sri Eshwar College of Engineering, Coimbatore, India [01/2020 – 01/2021]

Supported my colleagues to find interest in their higher education career and helped them to achieve their dreams by guiding them to learn international languages and prepare for competitive exams.

Conducted events related to higher education like abroad alumni talk series through skype and coordinated seminars and several events.

PRESENTATIONS

Machine Learning and Deep Learning
ECE Department and Networking club, Sri Eshwar College of Engineering [18/07/2020]

A webinar in which I explained the basic math concepts in machine learning and deep learning. Attended by more than 200 students and got very good feedback. (https://youtu.be/9wVjTK6Fv1k)

LANGUAGE SKILLS

Mother tongue(s): **Tamil**

Other language(s):

English
LISTENING: C1 **READING:** B2 **WRITING:** B2
SPOKEN PRODUCTION: B2 **SPOKEN INTERACTION:** B2