Balaji R — Curriculum Vitae
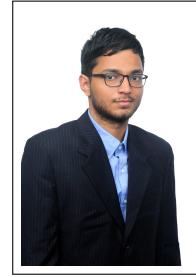
Indian Institute Of Science – Bangalore - 560012 – India

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 blackscreen-whitetext Balaji Ram

Education

Indian Institute Of Science   **Bangalore**

Bachelors Of Technology In Mathematics And Computing, CGPA–9.0/10.0   *2022–current*
Secured admission through JEE Advanced
Expected to graduate in 2026

PSBB KK Nagar   **Chennai**

School   *2007–2022*
12th Percentage–96.8%
10th Percentage–95%

Online Courses

Machine Learning Specialization By Andrew NG: Coursera Page

I learnt about supervised learning: regression and classification, using linear and deep neural networks, ensemble architectures like trees and boosting. Also learnt about unsupervised learning, clustering, dimensionality reduction, recommender systems and reinforcement learning.

Deep Learning Specialization By Andrew NG: Coursera Page

I learnt how to implement forward and backward propagation from scratch, deep learning frameworks such as tensorflow. I implemented CNNs and used them for object detection, and in an image recognition system, used pretrained models with a common practical technique called transfer learning. Also i learnt how to handle sequence data with RNNs, GRU, LSTM with the application in sentiment analysis, speech translation etc. I came across vast field of natural language processing with word embeddings using word2vec, GLoVe. Finally attention models including an in depth understanding of the transformer architecture, and have read about the BERT model.

Kaggle certifications:: Github Folder

Financial Markets By Robert Shiller: Coursera Page

UG Courses

Computer Systems: Grade: A+

Data Structures And Algorithms: Grade: B+

Algorithms And Programming: Grade: A

Numerical Analysis(with programming in MATLAB/python): Grade: A+

Probability And Statistics: Grade: A+

Introduction to Electrical And Electronics Engineering: Grade: A+

Real Analysis: Grade: A+

Linear Algebra And Multivariable Calculus: Grade: A

Skills

Languages: Python, C, C++ MATLAB, LaTeX

Tools: Git, Linux, VS Code

Achievements

JEE Advanced: AIR 225

KVPY SA: AIR 175

JEE Mains: AIR 1005