



Raghav Prasad

3rd-year, Computer Science, BITS-Pilani, K.K. Birla Goa Campus

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Education

B.E. (Hons.) Computer Science and Engineering

2017 - Present

[Birla Institute of Technology and Science - Pilani](#)

CGPA: 9.47, Expected graduation: August 2021

ISC (Class XII)

2014 - 2016

[The Cathedral and John Connon School](#)

92.6%

ICSE (Class X)

2012 - 2014

[The Cathedral and John Connon School](#)

96%

Courses

Completed: Object-Oriented Programming, Discrete Structures for Computer Science, Logic in Computer Science, Database Systems, Data Structures and Algorithms, Microprocessors and Interfacing, Digital Design

Ongoing: Neural Networks and Fuzzy Logic, Introduction to Cognitive Neuroscience, Operating Systems, Theory of Computation, Computer Architecture, Principles of Programming Languages, Automated Theorem Proving

Skills

Java, Python, C

Shell scripting, Javascript, Ruby, HTML+CSS, Swift, Verilog

SQL, Git, Docker, UNIX/Linux

Work experience

Software Development Intern

May 2019 - July 2019

[Homi Bhabha Centre for Science Education](#)

I was part of a 4-member team working on a "Topic Organizer" for HBCSE's [Discourse](#) based platform, [STEMGames](#).

Instructor

Jan 2019 - Mar 2019

[Centre for Technical Education, BITS Goa](#)

I was the instructor for the course, Introduction to Linux, conducted by the Centre for Technical Education (CTE) in my college

Teaching Assistant

Aug 2019 - Present

[Birla Institute of Technology and Science - Pilani](#)

I am a TA for the course Object-Oriented Programming, under Prof. [Neena Goveas](#). I am actively involved in the design of questions for the weekly labs as well as the evaluation process.

Teaching Assistant, Quark Summer Technical Projects

May 2018 - July 2018

[Quark](#)

I was the teaching assistant for a remote course entitled Introduction to Python, conducted under the ambit of Quark, my college's technical fest. I was a mentor to 65 students.

Projects

Domain: Deep Learning, NLP

July 2018

[Sentiment Analysis](#)

Ternary classification problem. Dataset was a set of Yelp! reviews in three classes: **positive**, **negative** and **neutral**. My team was ranked 13th in the leaderboard with an accuracy of **87.7%**. We used a variety of Deep learning techniques such as RNNs and LSTMs as well as simpler techniques such as Naive Bayes'. The best accuracy was produced by an RNN approach while Naive Bayes' finished a close second.

Domain: Web Development

May 2019 - July 2019

[Discourse Topic Organizer](#)

A plugin for any Discourse-based platform, which provides an interface for staff and admins to organize topics. This was designed for [STEMGames](#) with the vision of using a Discourse instance as an LMS. The project was completed successfully. I am currently still in touch with the team at Homi Bhabha Centre for Science Education, maintaining and upgrading this.

Domain: Economics and Data Analytics

Jan 2019 - Apr 2019

[Economic Time Series Analysis for the state of Goa](#)

An analysis of macroeconomic data for the state of Goa using **Python** in conjunction with **pandas** and **matplotlib**. Several trends obtained from real data corroborated theoretical predictions.

Domain: iOS app development using Swift

[DoJMA iOS app](#)

As part of the Mobile Application Club in my college, I co-created an iOS app for the college's Department of Journalism and Media Affairs (DoJMA). It not only serves as a platform for DoJMA but is also a one-stop solution for everything campus-related.

Conferences and Workshops

Organiser: Corporate Gurukul

June 2018

[Global Academic Internship Program](#)

A 3-week long academic internship program at NUS focused on Machine Learning, Deep Learning, and Big Data Analytics using Hadoop

Organiser: Imperial College, London

July 2015 - August 2015

[London International Youth Science Forum](#)

A 2-week long youth science forum hosted at Imperial College, London. I was 1 of 8 people representing India among over 60 other nations

Organiser: Japan Science and Technology Agency

May 2015

[Sakura Science Program](#)

An exchange program to Japan. Specifically the Ritsumeikan University and the University of Tokyo, along with visits to various other labs and facilities.

Certifications

Certificate in Network Management, certified by **Nettech**

Scholarships

Institute Merit Scholarship for Semesters I, II, and III

The Institute's Merit Scholarship is awarded to the top 1% of the students. Tuition fee waivers of 80%, 80%, and 100% respectively

Communication Languages

English (fluent), **Hindi** (fluent), **Malayalam** (fair)