

Aditya Chivukula

+91-9603502816

aditya.chivukula@gmail.com

f2013387@hyderabad.bits-pilani.ac.in

Profile

I am a third year undergraduate student of BITS Pilani, Hyderabad Campus, India. My current interest lies in the field of Deep Learning and its varied applications. Trying to understand and unravel the working of this extremely successful technique is what drives me. My long term interest (as of now) is to participate in the Artificial General Intelligence movement that has picked up pace over the past few years. Some of my extra/co- curricular activities include playing classical music on the Piano. Competitive coding on popular sites such as [codechef.com](https://www.codechef.com) and [codeforces.com](https://www.codeforces.com). I enjoy reading non-fiction and economics as pass time. Over the past few years, I've become a huge follower of European league football, particularly the English Premier League.

Skills

- **Programming in multiple languages (in order of proficiency) – C++, C, MATLAB/Octave, R, Python, Java**
- **Relevant Coursework includes Machine Learning, Artificial Intelligence, Information Retrieval, Data Mining. And online courses including - Data Science Specialization (JHU), Neural Networks, Probabilistic Graphical Models.**
- **Familiar with basics of GPU programming in CUDA and Graphics in OpenGL.**

Education

BITS Pilani, Hyderabad Campus

Batch of 2017

B.E. in Computer Science and Engineering

- CGPA of 7.86 (5 semesters)
- Head, Editorial Board of BITS Embryo

AECS Maaruti Magnolia Public School

Senior Secondary School

- 12th grade score of 93.2%

Delhi Public School, Bangalore – South

Secondary School

- 10th grade GPA of 9.6/10
- Member of Aerospace Club, Robotics Club, Music Club.
- State Level Scholarship awardee, National Level Talent Search Exam (2009)

Experience

Project at BITS Pilani, Hyderabad Campus (Spring Semester, 2016)

Mentor: Dr. N. Anil, Department Of Mathematics

Designing an optimized library for determining gradients of a Neural Network using automatic differentiation.

Project at Indian Institute of Science (Winter 2015)

Mentor: Prof. S. K. Nandy, Department of Computational Data Sciences

Using Random Matrix Theory to determine an effective initialization of weights for Neural Networks.

Project at Indian Institute of Science (Summer 2015)

Mentor: Prof. S. K. Nandy, Department of Computational Data Sciences

Implementing Support Vector Machines on a Scalable Hardware Architecture.

Member, Music Information Retrieval Group

Mentor: Dr. Aruna Malapati

Creating a Content Based Recommender System specific to Indian Music of all genres and eras.

Volunteer, HelpAge India

National NGO that works to serve the underprivileged elderly in India.

Head, Editorial Board of BITS Embryo

Student body to promote alumni interaction along with Guest Lectures from Imminent Speakers around the world via Teleconferencing.

NASA Ames Space Settlement Contest

Team: Ubiety

Second place at the International Space Settlement Design Competition 2011.

International Space Development Conference (Summer 2011)

Presented our Space Settlement Design at ISDC 2011 in Huntsville, AL, USA.

Personal Details

Permanent Address:

C-1302, Ajmera Green Acres,
Kalena Agrahara, Bannerghatta Road,
Bangalore – 560076

Email-ID: aditya.chivukula@gmail.com

Phone: +91-9603502816

Date of Birth: 10/01/1995

Websites:

www.in.linkedin.com/in/adityachivukula

www.github.com/adityaosp95
