Athreya Krishnan

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EDUCATION

BITS Pilani, KK Birla Goa Campus — CGPA-8.83/10
B.E. (Hons.), Computer Science and M.Sc. (Hons.), Mathematics — *Aug. 2018 – May 2023*

Chimaya Vidyalaya, Anna Nagar, Chennai — 483/500
Central Board of Secondary Education - Class XII — *Aug. 2017 – May 2018*

Chimaya Vidyalaya, Anna Nagar, Chennai — 10 CGPA
Central Board of Secondary Education - Class X — *Aug. 2015 – May 2016*

COURSEWORK DONE

Courses Completed: Logic in Computer Science, Theory of Computation, Number Theory, Computer Networks, Computer Architecture, Operating Systems, Abstract Algebra, Real and Complex Analysis, Microprocessors and Interfacing(**Course Topper**), Probability and Statistics, Foundations of Data Science, Machine Learning, Deep Learning, Database Management Systems, Data Structures and Algorithms, Object Oriented Programming, Optimization, Mathematical Modelling, Discrete Mathematics, Statistical Inferences, Compiler Construction

SKILLS

Languages: C/C++, Java, Python, MySQL, R, Prolog, Golang, HTML/CSS, Javascript
Great communication skills and teamwork.
Know English, Tamil, Hindi.
Know MATLAB and LaTeX, and TensorFlow and Pytorch.

EXPERIENCE

Summer Research Intern — May 2020 – June 2020
UST Global — *Remote*
- The aim of the internship was to explore Language Detection using LSTMs and to attempt to build neural network models to accurately detect languages.
- Implemented a basic Bidirectional LSTM network that was able to classify three languages with 80% accuracy.

Intern, Member of Technical Staff — Aug 2022 – Present
Nutanix, Inc. — *Bengaluru*
- Currently working in the Flow team during a 5 month internship at Nutanix, which focuses on software defined networking and security policies for networks within data centers and hybrid cloud infrastructure. Working on: Python, Golang

PROJECTS

Spirit Level Reaction Time Tester — March 2021 – April 2021
- Done as a part of the Microprocessors and Interfacing course. Designed a reaction time tester to check for spirit levels. Used Assembly language and Proteus to code and design the system using the 8086 processor.

Switching Activation Functions — November 2021 – February 2022
- Worked under Dr.Snehanshu Saha, faculty at BITS Pilani Goa. Empirically checked whether using 2 different activation functions would give better results than using a single one, and also mathematically showed the same.

WORKSHOPS AND VOLUNTEERING

Amazon ML Summer School — July 2021
Amazon India — *Remote*
- Attended the Amazon ML Summer School which was a 3 day workshop for undergraduate Computer Science students on the basics of ML, by leading industry experts.

Teaching Assistantships — July 2021 - May 2022
BITS Goa — *Remote*
- Was the Teaching Assistant for the course Logic in Computer Science in the first semester of 2021-22, and the Teaching Assistant for Object Oriented Programming in the second semester of 2021-22. Conducted tutorials, set lab questions, and solved student doubts for a class of 250 students.

Extracurriculars

Core Member, Literary and Debating Club   Oct 2019 – April 2020
- Was a core member of the Literary and Debating Club of BITS Goa, and took part in organising a nationwide Literary Fest, Carpe Dictum, and a nationwide debate tournament, Contention.

Core Member, Department of Journalism and Media Affairs   Oct 2019 – May 2020
- Wrote articles for the Fresher's issue, a magazine distributed to first years about the new campus. Also wrote articles for the college magazine covering different sporting events, in particular the 2019 World Cup.