

Aditya Natarajan

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EDUCATION

COLLEGE OF ENGINEERING, GUINDY | B.E, COMPUTER SCIENCE AND ENGINEERING

2018 (expected) | Chennai, TN

8.85/10

NATIONAL PUBLIC SCHOOL, RAJAJINAGAR | HIGHER SECONDARY, CBSE

2014 | Bangalore, KA

95.6 %

NATIONAL PUBLIC SCHOOL, RAJAJINAGAR | SENIOR SECONDARY, CBSE

2012 | Bangalore, KA

10/10

EXPERIENCE

INDIAN INSTITUTE OF SCIENCE | SUMMER RESEARCH INTERN

May 2016 – June 2016 | Bangalore, KA

- Worked on the paper 'Depth Map Prediction from a Single Image using a Multi-Scale Deep Network'
- Applied Machine Learning and Deep Learning concepts to implement solutions for Computer Vision problems
- Performed literature study on Neural Turing Machines and Machine Learning concepts

ECO WATCH INDIA | VOLUNTEER

May 2016 – June 2016 | Bangalore, KA

- Designed and implemented educational aids on environmental conservation
- Participated in an on-site soil conservation project
- Hosted multiple events as part of an outreach program for underprivileged school children

PROJECTS

HANDWRITTEN DIGIT RECOGNITION

Skills : Neural Networks, Deep Learning, Python

- Developed and trained a neural network to identify and classify handwritten digits
- Handled over 60,000 training and test set examples
- Implemented concepts of backpropagation and stochastic gradient descent to achieve an accuracy > 93 %

C THREAD POOL

Skills : C

- Developed a thread pool in C to handle POSIX pthreads
- Designed a mock API to handle common thread operations
- Provided simple start/stop implementations

ONLINE LIBRARY SYSTEM

Skills : MySQL, PHP, HTML/CSS

- Developed an online library DBMS comprehensively covering front - end and back - end operations
- Designed an interactive user interface for customer operations
- Provided additional functionality through stored procedures and triggers

SKILLS

Languages:

Python • C++ • C • Java • HTML/CSS • Bash • PHP

Tools:

LaTeX • MATLAB/Octave • Git

Databases:

MySQL • Oracle

Operating Systems:

Linux • Windows

COURSEWORK

Digital Principles of System Design

Computer Architecture

Data Structures

Database Management Systems

Algebra and Number Theory

Design and Analysis of Algorithms

Operating Systems

Software Engineering

Java and Internet Programming

Probability and Queuing Theory

HONORS

CBSE INSPIRE SCHOLARSHIP | FOR FINISHING IN THE TOP 1 % IN CLASS 12

CERTIFICATE OF MERIT, CBSE | FOR FINISHING IN THE TOP 0.1 % IN CLASS 10

MULTIPLE QUIZ PRIZES | SCHOOL AND COLLEGE LEVEL

EXTRA CURRICULARS

THE GUINDY TIMES (CAMPUS MAGAZINE) | STUDENT EDITOR

QUIZZERS ANONYMOUS (QUIZ CLUB) | DIRECTOR

KURUKSHETRA (ANNUAL TECHNOMANAGEMENT FEST) | COORDINATOR 2016, CONTENTS TEAM 2015

NATIONAL SPORTS ORGANIZATION | ACTIVE MEMBER

LINKS

GITHUB : github.com/adinat

SKYPE : adinat96

LANGUAGES

English • Tamil • Kannada • Hindi

INTERESTS

Artificial Intelligence • Innovation • Football • Reading • Movies