

Ganesh Srinivas

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EDUCATION

SHIV NADAR UNIVERSITY

BTECH COMPUTER SCIENCE AND
ENGINEERING

Expected May 2017 | Greater Noida,
India

Cum. GPA: 6.5 / 10

JAYA MATRIC. HR. SEC. SCHOOL

Grad. May 2012 | Chennai, India

AIEEE All India Rank: 47K Class 12:

90.08% Class 10: 92.8%

LINKS

Github:// [ganesh-srinivas](#)

BitBucket:// [ganesh_srinivas](#)

LinkedIn:// [GaneshSrinivas](#)

COURSEWORK

ENGINEERING

Computer Architecture + Lab

Compiler Design + Lab

Operating Systems + Lab

Algorithm Design and Analysis + Lab

Data Structures + Lab

Databases + Lab

Computer Networks + Lab

Internetworking Concepts

Wireless Sensor Networks + Lab

THEORY

Theory of Computation

Signals and Systems + Project

Information Theory

Discrete Math

SKILLS

PROGRAMMING

Very Comfortable:

C • Python • Shell

Familiar:

Java • Matlab • MySQL

TOOLS

Unix environment • gdb • git

Embedded:

Arduino • Processing

Network simulators/emulators:

Mininet • OPNET (Riverbed) • ns-2 •

Wireshark

EXPERIENCE

TENREADS | SOFTWARE DEVELOPMENT INTERNSHIP

May 2015 – July 2015 | Chennai, India

- Wrote a script that categorizes news articles. I used two approaches: a Hidden Markov Model and a naive Bayes classifier.
- Co-wrote a script that buckets thousands of news articles and selects the best based on social ranking and various other metrics. This was pushed to production.
- Learned how software is made in an early-stage startup, and the importance of product design.

RESEARCH

MACHINE LEARNING SUMMER INTERNSHIP

June 2014 – September 2014 | Shiv Nadar University

- Worked under Dr. V. K. Jayaraman, Visiting Professor in the Center for Informatics, with extensive guidance from Vivek Ananth R P, then a graduate student in Bioinformatics in that lab.
- My work involved reading papers, mining datasets, preprocessing, writing and tweaking code.
- By August-September, I wrote a Python script to perform feature selection from a dataset using an algorithm called intelligent water drop (similar to ant colony optimization).

AUDIO FINGERPRINTING SYSTEM IN MATLAB | SIGNALS AND SYSTEMS COURSE PROJECT

Oct 2014 – Dec 2014 | Shiv Nadar University

- Cool problem: Identify the song by listening to a noisy clip.
- Inspiration: Shazam whitepaper and Python implementation by Will Drevon from MIT.
- Our poorly written code could identify a song from a 50-song library when given a 20-second clip.

COMMUNITY

SNU ACM STUDENT CHAPTER | PRESIDENT

Nov 2015 – present | Shiv Nadar University

- Started tutorial series for Python, Unix programming, git version control and other technologies. We have conducted 9 sessions so far in Jan and Feb 2016 with 30 attendees on average.
- We are preparing for ICPC Regionals in Dec 2016.
- Learning how to work with university bureaucracy.

WEBSITE DESIGN FOR LITERATURE JOURNAL | Bodaki Crossing

Nov 2015

ON-CAMPUS PART-TIME JOB | LIBRARY ASSISTANT

June 2015 – July 2015 | Shiv Nadar University