

SAGAR THAPAR

Email-id : sthapar@umass.edu Contact : +1(413) 210-8282

OBJECTIVE

To obtain a part time job or summer internship.

EDUCATION

University of Massachusetts, Amherst
BS in Computer Science, Commonwealth Honors College
GPA: 3.470

Amherst, MA
Expected May 2019

TECHNICAL SKILLS

Languages: Java, Python, R, Hive, Pig, Octave, Swift.
Web Development: Angular JS, Javascript, HTML, CSS, Bootstrap.
Database: MySQL, Apache HBASE, NoSQL.
Big Data Ecosystem: Hadoop, MapReduce, HDFS, Zookeeper, Sqoop, Flume.

WORK EXPERIENCE

NSF RAISE Project

Computer Assistant (iOS Developer)

Amherst, MA
September 2016 – Present

- Developing an interactive lab based offline iOS app under Prof. Michael Krezmien for incarcerated youth.
- Performing analytics on the answer data collected from the app.

Dailycacy

Web Development Intern

Mumbai, India
May 2016 – August 2016

- Developed two dynamic websites on Bootstrap Framework using HTML5, CSS3 and JQuery. (blog.dailycacy.in and www.dailycacy.in)
- Working on a fleet management dashboard using Angular JS and getting introduced to the backend Django Framework.
- I have also done voluntary Android app testing for their food ordering app.

PROJECTS

Recommender System

June 2016

- Implemented a basic recommender system based on an amazon dataset using classification and clustering algorithms on the Hadoop Framework. It makes key and value pairs for suggested products after we select a particular product.

Algorithmic trading

July 2016

- Working on development of automated trading strategies and evaluating how we can use Apache Spark to build a real time system using python.

COURSE-WORK

- 1.) R Programming for Data Analytics and Visualization (597P)
- 2.) Reasoning under Uncertainty (240)
- 3.) Computer System Principles (230)
- 4.) Programming with Data Structures (187)

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- 5.) Introduction to Linear Algebra (235)
- 6.) Multivariable Calculus (233 H)
- 7.) Problem Solving with Computers (121)

HACKATHONS

HACK UMASS FALL 2015

Used the Fitbit API to create an App called StepBeats.
It suggests music according to your heart rate.

HACK RPI FALL 2015

Used the TripAdvisor API to make an app called Static Trips.

SKILLS

Strong Communication and Organization skills, good Leadership, Interpersonal and Analytical skills.

Proficient in PC applications including : Microsoft: Word, Excel, PowerPoint.

COMMUNITY-SERVICES

Actively participated with an NGO named ' The Salvation Army ', helping children with all the necessary requirements for welfare of them.

Represented **Guyana** in **World Health Organization** in the **Harvard Model United Nations India**.

Worked as an Assistant for Help-Age India to raise funds for the care of the elderly.

Participated as a Youth Volunteer for ' Anant Vikas ' Youth Empowerment Mission (**UNITED NATIONS**).

HONORS & AWARDS

- 1.) Certificate of Excellence – Banking Program (HDFC Bank)
- 2.) International Informatics Olympiad (2010) – Secured 1st Rank in Class
State rank of 234
- 3.) International Olympiad of Science (2011) – Secured 3rd Rank in Class
State Rank of 788
- 4.) International Mathematics Olympiad (2012) – Secured 1st Rank in School
International Rank of 938