Vinay Singh

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EDUCATION

Bachelor of Science (Expected May 2019)   Computer Science (Math Minor)
University of Nebraska - Lincoln   GPA: 3.94/4.00

SKILLS & RELEVANT COURSEWORK

- **Languages**: English, Malay, Hindi, Assamese, French (DELF A1)
- **Programming/Database**: Java(Object-Oriented), SQL/MySQL, MATLAB, Python, UNIX, JavaScript, HTML/CSS, C++, Haskell, ANTLR, jQuery, AJAX, PHP, Bootstrap
- **Machine Learning/Data Analysis:** Azure ML, Pandas, Scikit-Learn, Weka
- **Software/Other:** Eclipse, Github, Wordpress, Minitab, Office Suite, Solidworks, AutoCAD
- **Courses**: Computer Science I & II, Discrete Structures, UNIX Programming, Computer Organization, Data Structures & Algorithms, Programming Language Concepts, Software Engineering(In-Progress), Internet Systems & Programming(In-Progress), Design & Analysis of Algorithms(In-Progress)

PROJECTS

- **Titanic Survival:** Kaggle introductory challenge—Machine Learning on Python
- **Financial Tracker** (In-Progress): MVC web application to track user spending—PHP
- **OBMS:** Database-backed, object-oriented asset management application—Java & MySQL
- **DefCalc:** Beam loading analysis tool—Matlab
- **Website Scrapers:** Scripts to extract course grades and sports headlines—Python

WORK EXPERIENCE

- **University of Nebraska—Lincoln (UNL) Research Assistant**   Jan 2017-Present
  - Build software to process and organize data using Java and MySQL
  - Analyze unstructured data using IBM Watson's API and Azure Machine Learning
  - Implemented Creative Thinking Exercises in CS Curriculum
  - Perform various Statistical significance tests on results
- **University of Nebraska—Lincoln (UNL) Teaching Assistant**   Jan 2017-Present
  - Lead lab sessions, and hold office hours for Computer Science I—Matlab
  - Restructured lab administration to improve attendance
- **Founder of Startup (Skiptuff)**   Nov 2016-May 2017
  - Conduct market research, develop website, and pursue legal clearance
- **UNL Conference Assistant**   May-Aug 2016
  - Acted as liaison for various camps that brought in revenue of over $2 million
- **State Assistant Cricket Coach**   Dec 2012-Dec 2015
  - Lead school team to 3 consecutive state championships

ACTIVITIES

- **National Athlete**   2012-Present
  - ESPN Player Profile - http://www.espncricinfo.com/ci/content/player/633654.html
- **MV Logos Hope (German Humanitarian Ship) Port Volunteer**   Sept-Oct 2015

AWARDS / Leadership

- Global Ambassador (UNL)   2016-Present
- National Sports Scholarship and INTI International College Sports Scholarship   2013-2015
- Vice-Captain of State Cricket Team   2015-2016
- American Degree Transfer Program Student Council   2013-2014