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## RAJDEEP SUROLIA

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### EDUCATION

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<b>Kolkata , WB</b>	<b>Jadavpur University</b>	<b>Fall 2014 (Graduation Year - 2018)</b>
<ul style="list-style-type: none"><li>• Secured 226 Rank(AIR) among 300K+ students</li><li>• Bachelor of Engineering (B.E) in Computer Science. Latest GPA: 3.32(4-point scale)</li><li>• Undergraduate Coursework: Data Structure; Algorithms; Programming Languages; Operating Systems; Object Oriented Programming; Numerical Methods; Computer Organisation;</li></ul>		
<b>High School</b>	<b>Birla High School</b>	<b>Passing Year - 2014</b>
<ul style="list-style-type: none"><li>• Secured 93% in class 12 CBSE</li><li>• Secured 10.0 CGPA in class 10 CBSE</li></ul>		

### INTERNSHIPS

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<b>Summer Intern</b>	<b>Indian Institute of Management, Calcutta (IIM - C)</b>	<b>May 2016 - August 2016</b>
<ul style="list-style-type: none"><li>• A social entrepreneurship project called Owlsh Oracle aimed at providing education to students in rural villages through online classes(e-classrooms).</li><li>• Was part of the technical team that helped provide internet facilities in these areas.</li></ul>		

### TECHNICAL EXPERIENCE

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#### Projects

- **Network Security** (Ongoing project) - OS Fingerprinting software aimed at detecting the Operating System of the machine from the incoming packets. Further enhancement of the project will include softwares to diagnose and quarantine network related problems. (Languages used - C)
- **Network Security Extension** (Ongoing project) - The motive of this project is to combine Machine Learning(ML) with Network Security.
- **Directed Acyclic Word Graph - DAWG** (Ongoing Project) - A Natural Language Processing (NLP) project that makes word corpuses directly from a DAWG and vice versa. Further enhancement includes conversion of word corpuses of one language to another with the help of their respective DAWGs.

### ADDITIONAL EXPERIENCE AND AWARDS

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- **Hult Prize @ event (2015):** Organised the Hult Prize @ event 2015.
- **Coding Competitions:** Won several awards in university coding competitions(individual and team).

### Languages and Technologies

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- Proficient in C++; C; Java; Python.
  - Familiar with Eclipse, Django framework.

### **Interests**

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- Machine Learning, Natural Language Processing.
- Android app development, Web-application development.

### **Communicative Languages**

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- English, French.

### **Personal Projects**

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- (Initial stage)Working on a web-application project aimed at developing a social networking platform particularly for computer science (or any other interested parties) along with a competitive coding platform, discussion forums, Q & A platform. The web-application is based on Django/Python.
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