

# Viraj Ojha Sinha

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<b>OBJECTIVES</b>	To work on interesting projects with knowledgeable team members. To continue to build my software engineering experience, hone my programming abilities, and acquire new skills in an environment where people enjoy working. To learn everything possible.	
<b>EDUCATION</b>	<i>Bachelor of Science, Computer Science</i> Purdue University, West Lafayette, IN Minors: Biology, Philosophy, Psychology	Expected December 2014
<b>SKILLS</b>	<b>Languages:</b> Python, C, C++, Java, JavaScript, HTML/CSS, ARM & x86 assembly  <b>Relevant Coursework:</b> Data Mining & Machine Learning, Compilers, Programming Languages, Metalogic, Analysis of Algorithms, Systems, Computer Architecture, Cognitive and Computational Neuroscience, Numerical Methods, Computer Graphics, Advanced C Programming, Linear Circuits  <b>Tools:</b> Linux / UNIX, MATLAB, OpenGL, SAS, oscilloscope, multimeter, function generator, lathe, mill, drill press, micropipette, microcentrifuge, X-ray chromatograph, various organic chemistry lab equipment	
<b>EXPERIENCE</b>	<i>Engineering Intern</i> Numenta, Inc., Redwood City, CA	Summer 2014
	<ul style="list-style-type: none"><li>• Created an intelligent stock market data tracking application using NuPIC</li><li>• Increased Grok model serialization performance by 2 orders of magnitude</li></ul>	
	<i>IT Support Technician</i> Krannert School of Management, Purdue University	March 2012 - May 2014
	<ul style="list-style-type: none"><li>• Provide courteous and patient on-site and phone-based technical support and troubleshooting for nontechnical faculty, staff, and students</li><li>• Image and prepare new computers for deployment</li></ul>	
	<i>Undergraduate Researcher</i> Neuroprosthesis Research Lab, Purdue University	Summer 2012
	<ul style="list-style-type: none"><li>• Added data logging to software reading from electrodes implanted in rat brains</li><li>• Worked with graduate student on neural implant electrode coatings research</li></ul>	
	<i>Software Development Intern</i> Intrepid Technology, Inc., Palo Alto, CA	Summer 2011
	<ul style="list-style-type: none"><li>• Contributed Unified Parallel C (UPC) support to GNU Indent</li><li>• Constructed a parallelized search-based artificial intelligence Mancala player in C/UPC</li><li>• Added UPC support to several open source syntax highlighter projects</li><li>• Administrated several VMs for software development</li></ul>	
<b>EXTRA</b>	Executive Board member of BoilerMake, Purdue's Hackathon Won "Most Viable Startup" and "Most Technically Impressive" awards at MHacks III Co-Founder and Vice President of Student Think Tank for India (STTI) Purdue FIRST Robotics Mentor for Jefferson High School Team 1646 FIRST Robotics Team Captain for Saint Francis High School Team 2367 Semi-professional event and hobby photographer	
<b>REFERENCES</b>	Available on request.	