



IIIT Sri City, Chittoor  
Andhra Pradesh  
India - 517001

## KRIT KARAN SINGH

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### EMPLOYMENT

<b>Software Engineer, Intern</b>	<b>Epic Web Browser</b>	<b>Summers 2016</b>
<ul style="list-style-type: none"><li>Developed a Cross Browser password importer tool for Windows and OS X version of Epic by redesigning the password importer file which imported passwords from Google Chrome to Epic.</li><li>Reported Minor Regression bugs persisting in Epic, Chromium &amp; Google Chrome.</li></ul>		
<b>Open Source Developer</b>	<b>SymPy</b>	<b>Spring 2016 – Present</b>
<ul style="list-style-type: none"><li>Solved various bugs in SymPy related to codegen, matrices, docstring for public methods etc..</li><li>An active member of SymPy's Issues section at GitHub.</li></ul>		
<b>Teaching Assistant</b>	<b>IIIT Sri City</b>	<b>Fall 2014 – Present</b>
<ul style="list-style-type: none"><li>Courses: Fundamentals of Communication, Mathematical Foundations of Computer Science I &amp; II.</li><li>Led weekly meetings and supervised other TAs.</li></ul>		
<b>Software Design Engineer, Intern</b>	<b>CBIX</b>	<b>Summers 2015</b>
<ul style="list-style-type: none"><li>Worked on the middle tiers of CBIX Search Stack.</li><li>Modeled the entire database of all cities under CBIX.</li></ul>		

### EDUCATION

<b>Chittoor, IN</b>	<b>IIIT Sri City</b>	<b>Fall 2013 – Present</b>
<ul style="list-style-type: none"><li>B.Tech in Electronics Communication Engineering. CGPA: 9.74 .</li><li>Undergraduate Coursework: Operating Systems; Algorithms; Computer Programming; Computer Organization; Computer Architecture; Image Processing; Computer Networking; Information Technology Workshop I, II &amp; III.</li></ul>		

### TECHNICAL EXPERIENCE

#### Self Driven Projects

- Cross Browser Password Importer** (2016). Developed a cross browser passwords importing tool which is now licensed under EPIC Browser. Skills - C++, Python.
- Epic Browser's Android App** (2016). Worked on redesigning the chromium apk to implement various features such as autocomplete, do not track. Skills - Java, C++, XML.
- Facebook Scrapping System** (2016). Developed a system which scrapped all comments from any facebook page in a hierarchical manner. Skills - Python, Graph API, urllib2, BeautifulSoup.
- Hardware Acceleration Of Rpi** (2015). Ensured Hardware Acceleration of Rpi through OpenGL ES 2.0 in VisPy using the pi3d module which is licensed under VisPy. Skills - Python, OpenGL, Rpi, pi3d.

#### Course Projects

- Library Management Portal** (2014): Developed the portal using the Web2py framework. Skills - Python, HTML, CSS, Web2py.
- Application Layer File Transfer Protocol** (2014): Enabled both TCP and UDP based transfer of files as per request of the clients. Skills - C++, Socket Programming.

#### Research Projects

- Smart Robotic Assistant** (2014): A smart human assistant which operates on voice commands. There are five published IEEE Papers on this work. Skills - Android, Speech Signal Processing.
- Human Action Recognition System** (2015): Developed a system which recognised various human actions based on the pipeline of DTF and Fischer Vector. Skills - Matlab, Blender, Image Processing.



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#### PUBLICATIONS

- **TENSYMP** (2015): Anurag Mishra, Akshay Kumar, Pooja, Krit Karan and V.K Mittal, *Smart Robotic Assistant*.
- **ICIC** (2015): Akshay Kumar, Anurag Mishra, Pooja, Krit Karan and V.K Mittal, *A Voice-Controlled Personal Assistant Robot*.
- **ISPPC** (2015): Anurag Mishra, Pooja, Akshay Kumar, Krit Karan and V.K Mittal, *Multimodal Smart Robotic Assistant*
- **CONNECT** (2015): Krit Karan, Anurag, Akshay, Pooja and V.K Mittal, *Smart Phone Tilt and Voice Controlled Assistant Robot*.

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#### INTEREST AREAS

- Open Source Development
- Image Processing
- IOS Application Development
- Android Application Development
- Deep Learning

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#### LANGUAGES AND TECHNOLOGIES

- C++; C; Python; Objective-C; Latex; JavaScript; HTML; CSS; PHP.
- Android Studio; Eclipse; XCode; Sublime.