

EDUCATION	<b>DA-IICT, Gandhinagar, Gujarat, India</b> 2011-15 B.Tech in Information and Communication Technology
SKILLS	<ul style="list-style-type: none"> <li>• <i>Programming Languages:</i> C++, C, JavaScript, Python, SQL.</li> <li>• <i>Web Technologies:</i> AngularJS, JQuery, HTML5, CSS3, Bootstrap.</li> <li>• <i>Other:</i> NodeJS, PostgreSQL, MongoDB, CUDA, Git, Mercurial, Linux.</li> </ul>
EXPERIENCE	<div> <b>Web Developer</b> (September'15 - November'16)  <b>SlicePay - A product financing startup for college students</b> <ul style="list-style-type: none"> <li>• Migrated whole website to AngularJS framework, making it an SPA.</li> <li>• Implemented client side login &amp; session management, webview auto-login for mobile apps and grunt tasks for easy deployment and testing.</li> <li>• Integrated SDKs for payment gateway, social signup and analytics.</li> <li>• Written crons to support the data analytics framework by mapping data from MongoDB to PostgreSQL. Written SQL queries for various teams to provide them with valuable user insights.</li> </ul> </div> <div> <b>Google Summer of Code</b> (May'15 - August'15)  <b>Copyleft Games</b>            Implemented a procedural terrain generation engine for PySoy, an open source cloud gaming engine.           <ul style="list-style-type: none"> <li>• Implemented a pseudo random height-map generator using Perlin and Simplex Noise.</li> <li>• Added Tri-Planar texture mapping with improved blending techniques to avoid stretching and overlapping. Also added custom shaders to override the default planar mapping technique.</li> <li>• Also worked on LOD using quadrees to improve the rendering performance of large terrains.</li> <li>• Written C bindings to bridge the libraries written in Genie with the Python APIs.</li> </ul> </div> <div> <b>Research Internship</b> (January'15 - April'15)  <b>DA-IICT</b>            Mentor : Dr. Bhaskar Chaudhury            Implemented a heterogeneous parallel program using CUDA and GPGPU for investigation of electromagnetic waves in plasma medium based on FDTD technique.         </div>
PROJECTS	<div> <b>BFS Implementation in CUDA</b> (October'14 - November'14)            Mentor : Dr. Bhaskar Chaudhury (Team - 1)            Implemented a multithreaded parallel code for Breadth First Search for achieving better performance over serial code.         </div> <div> <b>Hobby Bar</b> (February'14 - April'14)            Mentor : Prof. Pranav Joshi (Team - 10)            Developed a website for pursuing and discovering new hobbies using Meteor.         </div> <div> <b>Portable Blood Group Detector</b> (February'14 - April'14)            Mentor : Dr. Amit Sengupta (Team - 5)            Developed a portable system using image processing techniques to detect the blood type of a person which gives quick results and can be installed in any ambulance for emergency purpose.         </div> <div> <b>Database - Real Estate</b> (August'13 - November'13)            Mentor : Dr. Minal Bhise (Team - 2)            Designed a database for Real Estates under DBMS course, derived ER model, mapped to a relational database schema, normalized it and wrote SQL queries on the database.         </div> <div> <b>FB-Gmail Notifier</b> (August'13 - September'13)            Mentor : Dr. Rahul Dubey (Team - 4)            A Python script was written to get notification from Facebook and Gmail account. The script serially sends the notification to Arduino which in turn shows the message on two seven segment LEDs.         </div>