

EDUCATION

ARIZONA STATE UNIVERSITY, TEMPE AZ | Master of Science – Computer Software Engineering May '18
 ▪ *Data Visualization, Adv. Data Structures & Algorithms, Programming Paradigms, Computer Arch.* GPA – 4.0 / 4.0

SYMBIOSIS INTERNATIONAL UNIVERSITY, INDIA | Bachelor of Technology – Computer Science Aug '10 – May '14
 ▪ *Algorithm Design & Analysis, Data Structures, Cloud Computing, Networking, Operating Systems* GPA – 3.18 / 4.0

TECHNICAL SKILLS

▪ Java ▪ C/C++/C# ▪ JavaScript ▪ MATLAB ▪ Android ▪ Python ▪ HTML5 ▪ CSS3 ▪ CMS ▪ SQL
 ▪ PHP ▪ AJAX/JQuery ▪ AngularJS ▪ MongoDB ▪ Hadoop ▪ NodeJS ▪ Tableau ▪ WebGL ▪ R, D3 ▪ CUDA

WORK EXPERIENCE

2 Years and 10 Months

ARIZONA STATE UNIVERSITY | Student Software Developer Tempe, AZ | Feb '17 – Present
 ▪ *Develop a Thermal Comfort Model that calculates the Mean Radiant Temperature using Synthetic Fisheye Projections generated from Google Earth Images and analysing their Sky View Factor.*
 ▪ *Python, JavaScript, NodeJS, WebGL, Geographic Information System (GIS), Sky View Factor (SVF), Mean Radiant Temperature (MRT), Keyhole Markup Language (KML), Google Earth, Street-View & Maps API*

TATA CONSULTANCY SERVICES LTD. | Software Developer Mumbai, India | Aug '14 – Jul '16
 ▪ *Enhanced multiple JAVA Web Applications built on the MVC Design Pattern, in an agile driven environment by implementing Requirement Changes/Defect Fixing/Root Cause Analysis, for a major European bank*
 ▪ *Reduced Manual Effort required to calculate the Time Spent on each Ticket by Ticket Resolution Teams by 99% by developing the Google Chrome Extension - SnowMAN, leading to an Annualized Savings of over 300,000 USD*
 ▪ *J2EE, Spring, Hibernate, Struts, MVC, UNIX, JSP, JavaScript, Ant, Oracle, Apache Tomcat, Websphere Application Server, MySQL, DB2, WebServices, SOAP, REST, Informatica PowerCenter, BMC Control-M & Service Now*

NVIDIA CORP. | Software Engineering Intern Pune, India | Jan '14 – Apr '14
 ▪ *Analysed problems with No-Reference based Image Quality Assessment by working on a research project in Computer Vision and Image Processing. Gained hands-on experience in Object and Pattern Recognition.*
 ▪ *MATLAB, C, C++, CUDA C, Visual C++, C#, ASP.NET, Windows Forms, Image Processing & Signal Processing*

TATA CONSULTANCY SERVICES LTD. | Software Development Intern Mumbai, India | Jan '13 – Jun '13
 ▪ *Developed a GUI based Support Automation Utility for Cheque Truncation System (CTS), a project by the Reserve Bank of India for fast clearing of cheques. TCS provides a CTS software solution to two Indian banks*
 ▪ *Java, Java SWT, VBScript, Network Programming using SMB, JCIFS & New Technology LAN Manager(NTLM)*

ACADEMIC PROJECTS

Visualization of Global Commodity Imports and Exports, Trade Networks & Strategic Reserves Jan '17 – Apr '17
 ▪ *Javascript, NodeJS, Ruby, WebGL, HTML5, CSS3, Angular JS, D3, R, Tableau*

Simulated Visualization of Computer Architecture on the Progressive Learning Platform (PLP) Sep '16 – Dec '16
 ▪ *Java, JGraphs, MIPS ISA, Pipelining, Branch, Control Flow*

Android Apps: allSocial (Multiple Social Acc. Management), EmojiText (Text-2-Emoji Converter) Sep '16 – Dec '16
 ▪ *Android Studio, Java, HTML & CSS*

Online Insurance Management System, User-Profile based Insurance and Claims Workflow Aug '14 – Nov '14
 ▪ *J2EE, Java Server Pages (JSP) & Servlets, Apache Struts 2, Spring, Hibernate*

File Organizer for Windows Platform, File-clutter elimination across commonly used folders Jan '14 – May '14
 ▪ *Java, Java Standard Widget Toolkit (SWT), Windows Form Application*

College Automation System, User-Profile based Online Marks and Attendance Management Aug '12 – Dec '12
 ▪ *Apache HTTP Server, MySQL DB and PHP*

SIDE PROJECTS

GharBaitho.com – Online Grocery Store | End-to-End Developer and Founder Jul '15 – Jun '16
 ▪ *GharBaitho (or “Stay-Home”) was an E-Grocery Store operating in the Indian city of Dehradun with an annual revenue of over 5,000 USD*
 ▪ *CMS, SEO, PHP, HTML, CSS, JavaScript, Web Hosting, Online Advertising, Adobe Photoshop & Illustrator*