

## EDUCATION

<b>Bachelor of Technology</b>	<b>Indian Institute of Technology Indore</b>	<b>2009-2013</b>
<ul style="list-style-type: none"><li>Major: Computer Science and Engineering</li></ul>	GPA: <b>8.7/10</b>	
<b>Higher Secondary Certificate</b>	<b>Maharashtra State Board</b>	<b>2009</b>
<ul style="list-style-type: none"><li>First Class with Distinction</li></ul>	Score: 86.33%	
<b>Secondary School Certificate</b>	<b>Maharashtra State Board</b>	<b>2007</b>
<ul style="list-style-type: none"><li>First Class with Distinction</li></ul>	Score: 86.15%	

## WORK EXPERIENCE

<b>Software Engineer</b>	<b>Microsoft</b>	<b>2013-2016</b>
<b>Software Engineer II</b>		<b>2016-Present</b>
Hybrid Storage and Data Protection, Enterprise Cloud Group		
<ul style="list-style-type: none"><li>Developed the common identity management solution for Azure Backup, Site Recovery and StorSimple services, integrated with Azure Active directory</li><li>Developed end-to-end metering and billing solution for the supported services.</li><li>Self-Developed tools for simplifying deployment management and effective live-site monitoring.</li><li>Ensured that the supported services meet various security and compliance requirements. Identified multiple security issues during design reviews.</li></ul>		
<b>Research Intern</b>	<b>TCS Innovation Labs</b>	<b>Summer 2012</b>
<ul style="list-style-type: none"><li>Developed a solution to help the farmers to obtain the GAP certification for their farms and to ease out the certification process for the authorities, leveraging mKRISHI rural services, a Mobile-based service delivery platform by TCS.</li><li>Conducted field visits to meet the farmers and the certification authorities to analyze existing farming and certification practices and envisaged ways to ameliorate them with the help of Information Technology. Designed and implemented a successful proof-of-concept.</li></ul>		

## TECHNICAL & RESEARCH PROJECTS

<b>Security, Data Integrity and Data Survivability in Unattended Wireless Sensor Networks Using Distributed Trust-Based Routing</b>	<b>2012-2013</b>
Guide: Dr. Sushmita Ruj, IIT Indore	
<ul style="list-style-type: none"><li>Designed a new protocol for data integrity and survival in Unattended Wireless Sensor Networks in presence of an adversary that can compromise a small subset of nodes in the network</li><li>Presented analysis of the protocol through theoretical reasoning as well as practical simulations, illustrating its usability against different types of possible attacks.</li></ul>	
<b>Travelling Salesman Problem Solver using Ant Colony Optimization</b>	<b>2013</b>
Guide: Dr. Surya Prakash, IIT Indore	
<ul style="list-style-type: none"><li>Developed a solver to generate a near-optimal Hamiltonian Cycle for given graph, using a highly parallel algorithm based on ant colony optimization technique.</li><li>Executed the solver on various data sets and obtained strong benchmarks for running time as well as optimality of generated solutions.</li></ul>	

## TECHNICAL & RESEARCH PROJECTS (CONT'D)

### Invoice Generation Software (*Personal Project*)

2007-2008

- Developed Invoice generation software which uses an intuitive wizard-based interface to generate complex invoices and to produce various sales reports. The software was actively used in production by two companies.

### Educational Software Pack (*Personal Project*)

2006-2007

- Created a set of education oriented software to supplement textbook-based learning. A few examples include Graph Plotter for univariate functions, Circuit Simulator for elementary circuits and a basic Sanskrit language processor for nouns.

## EXTRACURRICULAR ACTIVITIES

### Systems Administrator and Student Representative, Placement Office, IIT Indore.

- Set up and managed the technical infrastructure, which included the website, email systems and an online portal to manage the placement process.
- Member of the organizing team of Industry-Academia Conclave 2012.

### Core Team Member, Fluxus 2011, First techno-cultural festival of IIT Indore

- Contributed towards development of various policies and establishment of organizational framework for the festival for its first and subsequent years.
- As head of technical events, contributed in determining the format of events, finalizing the rules, and supervising the preparations and execution before and during the festival.

Technical editor and member of design team of 'Inscription', student magazine of IIT Indore.

## OTHER ACADEMIC ACHIEVEMENTS AND AWARDS

- Secured grade **AP** (awarded for **outstanding performance in Institute Core Courses**) in Computer Programming & Utilization.
- Qualified for **Indian National Astronomy Olympiad (Sr.)** in year 2008-09 and **Indian National Astronomy Olympiad (Jr.)** in year 2005-06.
- **All India Rank 13** in 7<sup>th</sup> National Cyber Olympiad in year 2007-08.
- Cleared the National Talent Search Examination (NTSE) and was awarded the prestigious **National Talent Search scholarship**.
- Ranked **14<sup>th</sup>** in 2006 and **23<sup>rd</sup>** in 2005 all over the state, in **Maharashtra Talent Search Examination**.
- Merit Holder in Brihanmumbai Talent Search Examination of May 2006.
- Awarded **Sir Homi Bhabha Young Scientist Gold Medal** in 2006.
- Selected as "**Best Student with Scientific Aptitude**" in the Aryabhata Science Exhibition organized by Indian Education Society.
- Represented Mumbai region in **15<sup>th</sup> National Conference of Young Environmentalists**, organized by National Bal Bhavan, Delhi.

## TECHNICAL SKILLS

- **Languages:** C#, .NET, C++, Visual Basic, C#, SQL, PHP, HTML/CSS
- **Platforms:** Microsoft Azure
- **Tools:** Visual Studio, TFS