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EMPLOYMENT
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| **Computer Scientist** | **Adobe Systems** | **Jun 2015 - Present** |

Adobe Campaign
- Responsible for improving core email sending engine to increase rate to 100 M messagers/hr.
- Currently developing a batched and streamed data export service which pushes customer data imported by a marketer to Adobe Campaign to a centralized data store on periodic basis.
- *Languages used*: C++, JavaScript

Adobe Embedded Print Engine (AEPE)
- Worked on developing and enhancing a Raster Image Processor for PDF documents.
- Had direct OEM interaction and end-to-end project management.
- Work involved writing high performance code for embedded platforms.
- *Languages used*: C++

| **Software Intern** | **ARM Holdings** | **Jun 2014 - Jul 2014** |

- Prototyped and verified verbosity control which led to a 33% reduced instruction count in AVL.
- Refactored architecture validation scripts to parallelize handling of validation logs.

EDUCATION
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| **B.E in Computer Engineering** | **Netaji Subhas Institute of Technology** | **Aug 2011 - Jun 2015** |

- Percentage: 78.82 (First class with distinction)
- Coursework: Operating Systems; Databases; Algorithms; Programming Languages; Comp. Architecture;

| **AISSCE** | **Delhi Public School, R.K Puram, New Delhi** | **Jun 2011** |

- Percentage: 93.2
- Specialization : Computer Science

| **AISSE** | **Dayanand Anglo Vedic Public School, Gurgaon** | **Jun 2009** |

- Percentage: 95.2

PROJECTS IN B.E
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- **Efficient k-coverage in wireless sensor networks** (2015) – Proposed and simulated a model for deterministic deployment of heterogeneous sensors for k-coverage of wireless sensor networks, using as less sensors as possible. Our model combined the advantages of both heterogeneity and k-coverage. (**C++, NS2 simulator**)
- **Simulation of Computer Processor having Jon Vonn Neumann's architecture** (2014) – Using CPU registers made of digital flip flops, transferring data to and from addresses as indicated by a hardwired control unit. **VHDL**
- **Recruitment Cell** (2014) - Interface for placement companies to pick up resumes and details of students and for students to apply for jobs in those companies**. PHP, MySQL**
- **Automation of Emailing service of Placement Cell** (2013) - Using Google's SMTP server automated sending personalized emails to students related to job openings, interview schedule etc. **PHP**

ADDITIONAL EXPERIENCE AND AWARDS
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- **Adobe Systems (Dec 2016):** Spot Award for quality performance in developing AEPE 1.5 x64.
- **Merit Scholarship (2012, 2013, 2014, 2015)** : Received merit scholarship awarded to the top performers of the department for all four years
- **AIEEE :** AIR 3554, Delhi Rank 234
- **ACM ICPC Regionals**: Secured 133 rank in ACM ICPC Amritapuri regionals and qualified for ACM ICPC Kharagpur regionals.

Languages and Technologies
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- *Daily use*: C++, C   *Used Often*: Python, PHP, JavaScript, Java
- Visual Studio; MySQL;PostgreSQL