

## EDUCATION

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| <b>Karnataka, India</b>  | <b>National Institute of Technology, Karnataka</b> | <b>July 2014 – May 2018</b> |
| <ul style="list-style-type: none"> <li>• <b>B. Tech</b>, Information Technology</li> <li>• Autodidact with a passion for learning, high-impact systems developer, functional programming evangelist</li> </ul> |  |                             |

## WORK EXPERIENCE

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| <b>Bangalore, India</b> | <b>Siemens, R&amp;D</b> | <b>Summer 2016</b> |
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- **Research Intern**, *Natural Language Processing, Knowledge Based Systems*
- Built a framework for generating KBS apps, which spawned clients, and a central REST API server.
- Built the core **natural language to first-order logic** pipeline engine for logical reasoning and understanding of English statements.
- Technology stack: **Python, JavaScript, NLTK, Flask, Git**

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| <b>Mumbai, India</b> | <b>IIT Bombay</b> | <b>Winter 2015</b> |
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- **Open Source Intern**, *Image Processing*
- Worked on IIT Bombay's fork of Scilab, an open source equivalent to Matlab.
- Designed and implemented algorithms for morphological image analysis and processing.
- Technology stack: **C++, OpenCV, Scilab, Git**

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| <b>Bangalore, India</b> | <b>Make A Difference</b> | <b>Summer 2015</b> |
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- **Web Development Intern**
- Wrote code for India's first offline web fundraising platform, streamlining transactions from across 23 cities impacting 20,000 children in shelter homes.
- Built the server responding to SMS requests to develop offline functionality.
- Technology stack: **Ruby, Ruby on Rails, MySQL, AngularJS, jQuery, Git**

## TECHNICAL PROJECTS

- **xbase**: Distributed relational database management system with a natural language interface, for massively scalable and user friendly data storage solutions, along with web front end for analytics. **C++, Python, JS**
- **dash**: Distributed access shell, for command execution, redirection and remote piping simultaneously between multiple hosts connected over a network. **C, C++, Make**
- **xv6p**: xv6p implements demand paging from disk and lazy page allocation, using x86 paging hardware to MIT's xv6 Operating System. **C, 8086 assembly**
- **TaskSync**: Personal-assistant like task manager, logger and web crawler. Generates periodic automatic reports. Syncs with Google Keep. **Haskell, Ruby, bash**.
- **SchedMe**. Auto scheduler of tasks and goals distributing evenly using AI algorithms across some timeline, with drag and drop support. **Ruby on Rails, JavaScript, MySQL**

## OTHER EXPERIENCE

- Headed, designed and taught an online course on **Erlang** and **Functional Programming**
- Conducted workshops and talks on **Haskell, Common Lisp** and **Scheme**
- Core Member of college's IEEE Computer Society chapter, and main programming club.
- Founded a start-up, a software-as-a-service company which provides various solutions for exam prep help.