

# Aswin Babu Karuvally

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## EDUCATION

### College of Engineering Trivandrum, Kerala, India

- Master of Computer Applications
- CGPA: 7.7 / 10

Aug 2016 – Jun 2019

### Naipunnya School of Management, Kerala, India

- BSc. Computer Science
- CGPA: 7.9 / 10

Jun 2013 – May 2016

## WORK EXPERIENCE

### Consultant, DAMAC Solutions, Trivandrum, Kerala, India

Aug 2018 – Oct 2018

- Tasked with evaluating and deploying cloud backup solution

### Python developer, Servntire, Trivandrum, Kerala, India

Aug 2018 – Sep 2018

- Developed web scraping script using Python and Selenium for an ongoing project

### Developer, Project Lifeboat, Kerala, India

Aug 2018 – Sep 2018

- Developed scripts for removing duplicates from distress call data
- Helped in deploying and maintaining servers
- Coordinated the development team

### Developer and Admin, KnowledgeBase @ CET, Trivandrum, Kerala, India

Jan 2018 – Oct 2018

- Deployed easy to use web file manager for storing academic resources
- Tasked with maintaining and administering the system

### Trainer, FestFlick, Trivandrum, Kerala, India

Sep 2017 – Oct 2018

- Served as resource person for IoT, Python and Linux, Git and Image Processing workshops

### Student Faculty, IoT Lab, CET, Trivandrum, Kerala, India

Aug 2017 – Oct 2018

- Tasked with conducting workshops on Linux, Python and IoT devices such as Raspberry Pi

### Homepage maintainer, Free Software Users Group, Trivandrum, Kerala, India

Jul 2017 – Jan 2018

- maintained <http://tvm.fsug.in>

### Developer and Admin, Dextro Systems, Alleppey, Kerala, India

Dec 2015 – Jan 2017

- Developer web applications using Python and Bottle
- Deployed and managed projects on PaaS (OpenShift) instances

## PROGRAMMING SKILLS

### ▪ Python 2 and 3

- Extensively used Python for network programming, system scripting, automation, web development, IoT, image processing, machine learning and web scraping

### ▪ Shell Scripting

- Used BASH as primary language before switching to Python. Developed tools to automate everyday problems such as script for automatically reconnecting dropped dialup connection

### ▪ C

- Used C to convert previously written scripts in Python to increase performance and decrease memory footprint

### ▪ PHP

- Developed a number of web applications that used PHP to generate dynamic content.

### ▪ HTML5 and CSS3

- Developed a number of web frontends for web applications and for static websites.

### ▪ L<sup>A</sup>T<sub>E</sub>X and Beamer

- Used L<sup>A</sup>T<sub>E</sub>X as primary typesetting tool and also for developing slideshows.

<b>TOOLS AND TECHNOLOGIES</b>	<ul style="list-style-type: none"> <li>▪ <b>SQL</b> <ul style="list-style-type: none"> <li>• Used SQL for storing and retrieveing data from webapps.</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>▪ <b>Linux</b> <ul style="list-style-type: none"> <li>• Using Linux as the primary Operating System for the past 13 years.</li> <li>• Extensively tweaked the OS to match personal and client needs</li> <li>• Deployed and maintained Linux Systems including web, file and backup servers</li> <li>• Trained students on Linux basics, shell and managing IoT devices running Linux</li> </ul> </li> <li>▪ <b>Git</b> <ul style="list-style-type: none"> <li>• Experienced with Git and Gitflow</li> <li>• Worked on a number of personal and third party projects employing Git</li> <li>• Trained large number of students on Git</li> </ul> </li> </ul>
<b>PUBLICATIONS</b>	<b>CONFERENCES</b> <ul style="list-style-type: none"> <li>[1] Aswin Babu Karuvally, Basith Hameem, Ann Jerin Sundar and John Prakash Joseph “Enhancing Performance and Reliability of Network File System,” in <i>Proceedings of the International Conference for Control Communication and Computing 2018</i>, Trivandrum India, Jul 2018.</li> </ul>
<b>AWARDS &amp; ACHIEVEMENTS</b>	<ul style="list-style-type: none"> <li>▪ First Prize, Enigma - Linux Talent Hunt, Nakshatra 2018, NIT Calicut 2018</li> <li>▪ First Prize, Enigma - Linux Talent Hunt, Nakshatra 2017, NIT Calicut 2017</li> <li>▪ Best Paper Award for ”Replacing GUI with Shell”, Daksha Yantra, IHRD Attingal 2017</li> <li>▪ Best CS Student Award, Naipunnya School of Management 2016</li> <li>▪ Best Performer Award, Naipunnya School of Management 2016</li> </ul>
<b>PROFESSIONAL AFFILIATIONS &amp; ACTIVITIES</b>	<b>Joint Society of Earth Scientists and Global Think Tank on Climate Resiliency,</b> North Attleborough, Massachusetts, USA <ul style="list-style-type: none"> <li>▪ Member 2009 – Present</li> </ul>

## CAMPUS ACTIVITIES

**First Volunteers Club, First American University**

Aug 2006 – Aug 2007

- |   |                     |
|---|---------------------|
| <ul style="list-style-type: none"> <li>▪ President</li> <li>• Lorem ipsum dolor sit amet, consectetur adipiscing elit.</li> <li>• Curabitur vitae laoreet velit, vel ultricies est. Nam nec elit ac ante facilisis ultrices.</li> <li>• Integer sit amet turpis dolor. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nunc at orci eu leo vulputate finibus sed et sem.</li> <li>• Suspendisse volutpat sapien et mi cursus, gravida ornare mauris sollicitudin.</li> </ul> | Aug 2006 – Aug 2007 |
|---|---------------------|

## SKILLS

TeX, L<sup>A</sup>TeX, X<sub>Y</sub>L<sup>A</sup>TeX, MATLAB, Mathematica, Maple, R, Tableau, Adobe Photoshop, Adobe Illustrator, Microsoft Word, Microsoft Excel, Microsoft PowerPoint.

## INTERESTS

Digital photography, typography, swimming.

## REFERENCES

- **Professor Jonathan Public**  
Professor of Geology and Mechanical Engineering  
First American University  
1000 First Avenue, Springfield, Massachusetts 22222, USA  
jonathanpublic@example.com • +1 (555) 222-2222
- **Dr Alice Bob Carol**  
Director, Research & Development  
Alpha Engineering Firm  
20 North Street, Oakland, Ohio 33333, USA  
alicebobcarol@example.com • +1 (555) 333-3333

## MULTILINGUAL UNICODE EXAMPLES

- Assortment of unicode characters from <http://www.ltg.ed.ac.uk/~richard/unicode-sample.html>

## THIS IS A SECTION WITH USAGE NOTES

### THIS IS A SUBSECTION

- Use `\Section{a}{b}{c}` and `\SubSection{a}{b}{c}` to create sections and subsections, where **a** is the heading displayed on the page, **b** is the PDF bookmark heading, and **c** is the internal PDF link (must be unique). Sections and subsections will appear in the PDF bookmarks. Note the CamelCase command names.
- Use `\Entry`, `\BulletItem`, `\SubBulletItem`, `\Item`, `\SubItem`, `\NumberedItem`, etc., to create entries in the main body of the CV.
- Enclose entry details between `\begin{Detail}` and `\end{Detail}` so that they are typeset in a smaller font. This is an example of entry detail text enclosed in a **Detail** environment.
- Use `\Gap` and `\BigGap` to insert vertical spaces between entries to improve layout.

### THIS IS ANOTHER SUBSECTION

This is a plain `\Entry`, followed by an `\hfill` and a date range

Oct 2015 – Dec 2015

- This is a `\BulletItem`.  
This is an `\Item`, which has no bullet. Note the alignment with the `\BulletItem` above.
  - This is a `\SubBulletItem`.  
This is a `\SubItem`, which has no bullet. Note the alignment with the `\SubBulletItem` above.
- [42] This is a `\NumberedItem`. Change the value of the macro `\MaxNumberedItem` to adjust the indentation width.

### LINE, PARAGRAPH, AND PAGE BREAKS

- To create a new line within the same paragraph (i.e., preserving the same paragraph indentation), use `\newline` instead of `\;`; the latter will reset the paragraph indentation.
- To create a new paragraph, use `\par` or simply leave an empty line. Paragraph indentations (from `\Entry`, `\BulletItem`, `\SubBulletItem`, `\Item`, `\SubItem`, `\NumberedItem`, etc.) do not carry across different paragraphs.
- To create a new page, use `\newpage`.

### DATES

- Use the following macros to specify and display dates consistently:
  - `\DatestampYMD{yyyy}{MM}{dd}` (e.g., `\DatestampYMD{2008}{01}{15}`)
  - `\DatestampYM{yyyy}{MM}` (e.g., `\DatestampYM{2008}{01}`)
  - `\DatestampY{yyyy}` (e.g., `\DatestampY{2008}`)
- Change the date format option passed to the document class to adjust how dates are displayed throughout the document:
  - `MMMyyyy` (“Jan 2008”)
  - `ddMMMyyyy` (“15 Jan 2008”)
  - `MMMMyyyy` (“January 2008”)
  - `ddMMMMyyyy` (“15 January 2008”)
  - `yyyyMMdd` (“2008-01-15”)
  - `yyyyMM` (“2008-01”)
  - `yyyy` (“2008”)

[Last updated on 2018-10-31]