

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^AT_EX and Beamer

- Used L^AT_EX as primary typesetting tool and also for developing slideshows.

TOOLS AND TECHNOLOGIES	<ul style="list-style-type: none"> ▪ SQL <ul style="list-style-type: none"> • Used SQL for storing and retrieveing data from webapps. ▪ Linux <ul style="list-style-type: none"> • Using Linux as the primary Operating System for the past 13 years. • Extensively tweaked the OS to match personal and client needs • Deployed and maintained Linux Systems including web, file and backup servers • Trained students on Linux basics, shell and managing IoT devices running Linux ▪ Git <ul style="list-style-type: none"> • Experienced with Git and Gitflow • Worked on a number of personal and third party projects employing Git • Trained large number of students on Git ▪ Internet of Things <ul style="list-style-type: none"> • Experienced with Raspberry Pi and Arduino • Used Raspberry Pi for several projects including surveillance • Trained students on IoT both inside and outside CET ▪ Virtualization <ul style="list-style-type: none"> • Experienced with KVM, VirtualBox, Hyper-V, VMWare and Docker • Extensively used virtual machines for testing and deploying projects ▪ Image Processing <ul style="list-style-type: none"> • Implemented a number of projects in OpenCV including one to differentiate book copies • Trained students in Image Processing and OpenCV ▪ Numpy and Pandas <ul style="list-style-type: none"> • Used Numpy for variety of Image Processing and Machine Learning Projects • Used Pandas for dealing with really large datasets ▪ scikit-learn <ul style="list-style-type: none"> • Developed demand and car price prediction system ▪ Web Scraping <ul style="list-style-type: none"> • Experienced with Selenium, Scrapy and BeautifulSoup • Developed scraping script for Servntire using Selenium ▪ Mongo DB <ul style="list-style-type: none"> • Developed an experimental web app for handling data from large number of distress calls ▪ Cloud Computing <ul style="list-style-type: none"> • Deployed a number of projects onto OpenShift and Digital Ocean • Used Google Cloud for processing large datasets for ML project 										
	<p>PUBLICATIONS</p> <p>CONFERENCES</p> <p>[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.</p>										
AWARDS & ACHIEVEMENTS	<table> <tr> <td>▪ First Prize, Enigma - Linux Talent Hunt, Nakshatra 2018, NIT Calicut</td> <td>2018</td> </tr> <tr> <td>▪ First Prize, Enigma - Linux Talent Hunt, Nakshatra 2017, NIT Calicut</td> <td>2017</td> </tr> <tr> <td>▪ Best Paper Award for "Replacing GUI with Shell", Daksha Yantra, IHRD Attingal</td> <td>2017</td> </tr> <tr> <td>▪ Best CS Student Award, Naipunnya School of Management</td> <td>2016</td> </tr> <tr> <td>▪ Best Performer Award, Naipunnya School of Management</td> <td>2016</td> </tr> </table>	▪ First Prize, Enigma - Linux Talent Hunt, Nakshatra 2018, NIT Calicut	2018	▪ First Prize, Enigma - Linux Talent Hunt, Nakshatra 2017, NIT Calicut	2017	▪ Best Paper Award for "Replacing GUI with Shell", Daksha Yantra, IHRD Attingal	2017	▪ Best CS Student Award, Naipunnya School of Management	2016	▪ Best Performer Award, Naipunnya School of Management	2016
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▪ Best Performer Award, Naipunnya School of Management	2016										
PROFESSIONAL AFFILIATIONS & ACTIVITIES	<p>Joint Society of Earth Scientists and Global Think Tank on Climate Resiliency, North Attleborough, Massachusetts, USA</p> <table> <tr> <td>▪ Member</td> <td>2009 – Present</td> </tr> </table>	▪ Member	2009 – Present								
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CAMPUS ACTIVITIES

First Volunteers Club, First American University

Aug 2006 – Aug 2007

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

TeX, L^ATeX, X_YL^ATeX, 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]