Aswin Babu Karuvally

Karuvally House, West of Velinilam Temple, Muhamma P.O, Alappuzha, 688525
aswinbabuk@gmail.com • +91 999 505 4663 • http://karuvally.github.io

EDUCATION

College of Engineering Trivandrum, Kerala, India
- Master of Computer Applcations   Aug 2016 – Jun 2019
  - CGPA: 7.7 / 10

Naipunnya School of Management, Kerala, India
- BSc. Computer Science   Jun 2013 – May 2016
  - CGPA: 7.9 / 10

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 developement 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 resouce 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.

- **LaTeXand Beamer**
  - Used LaTeXas primary typesetting tool and also for developing slideshows.

- **SQL**
  - Used SQL for storing and retrieveing data from webapps.

TOOLS AND TECHNOLOGIES

- **Linux**
  - 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**
  - 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**
  - Experienced with Rasbperry Pi and Arduino
  - Used Raspberry Pi for several projects including surveillance
  - Trained students on IoT both inside and outside CET

- **Virtualization**
  - Experienced with KVM, VirtualBox, Hyper-V, VMWare and Docker
  - Extensively used virtual machines for testing and deploying projects

- **Image Processing**
  - Implemented a number of projects in OpenCV including one to differentiate book copies
  - Trained students in Image Processing and OpenCV

PUBLICATIONS

CONFERENCES

[1] Aswin Babu Karuvally, Basith Hameem, Ann Jerin Sundar and John Prakash Joseph "Enhancing Performance and Reliability of Network File System," in *Proceedings of the International Conference for Control Communication and Computing 2018*, Trivandrum India, Jul 2018.

AWARDS & ACHIEVEMENTS

- 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

PROFESSIONAL AFFILIATIONS & ACTIVITIES

Joint Society of Earth Scientists and Global Think Tank on Climate Resiliency,
North Attleborough, Massachusetts, USA

- Member   2009 – Present

CAMPUS ACTIVITIES	**First Volunteers Club**, First American University

CAMPUS ACTIVITIES

First Volunteers Club, First American University

- President — Aug 2006 – Aug 2007
  - 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.

SKILLS

TeX, LaTeX, X$_{\exists}$LaTeX, 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
  Latin Extended-A Ā ā Ă ă Ą ą Ć ć Ĉ ĉ Ċ ċ Č č Ď ď Đ đ Ē ē Ĕ ĕ Ė ė Ę ę Ě ě Ĝ ĝ Ğ ğ Ġ ġ Ģ ģ Ĥ ĥ Ħ ħ Ĩ ĩ Ī ī Ĭ ĭ Į į İ ı Ĳ ĳ Ĵ ĵ **Latin Extended-B** ƀ Ɓ Ƃ ƃ Ƅ ƅ Ɔ Ƈ ƈ Ɖ Ɗ Ƌ ƌ ƍ Ǝ Ə Ɛ Ƒ ƒ Ɠ Ɣ ƕ Ɩ Ɨ Ƙ ƙ ƚ ƛ Ɯ Ɲ ƞ Ɵ Ơ ơ Ƣ ƣ Ƥ ƥ Ʀ Ƨ ƨ Ʃ ƫ Ƭ ƭ Ʈ Ư ư Ʊ Ʋ Ƴ ƴ Ƶ **Latin Extended Additional** Ḁ ḁ Ḃ ḃ Ḅ ḅ Ḇ ḇ Ḉ ḉ Ḋ ḋ Ḍ ḍ Ḏ ḏ Ḑ ḑ Ḓ ḓ Ḕ ḕ Ḗ ḗ Ḙ ḙ Ḛ ḛ Ḝ ḝ Ḟ ḟ Ḡ ḡ Ḣ ḣ Ḥ ḥ Ḧ ḧ Ḩ ḩ Ḫ ḫ Ḭ ḭ Ḯ ḯ Ḱ ḱ Ḳ ḳ Ḵ ḵ **Greek** ΄ ΅ · ᾿ ῀ ῁ Ά · Έ Ή Ί Ό Ύ Ώ ῒ Α Β Γ Δ Ε Ζ Η Θ Ι Κ Λ Μ Ν Ξ Ο Π Ρ Σ Τ Υ Φ Χ Ψ Ω Ϊ Ϋ ά έ ή ί ΰ α β γ δ ε ζ η θ **Cyrillic** Ё Ђ Ѓ Є Ѕ І Ї Ј Љ Њ Ћ Ќ Ў Џ А Б В Г Д Е Ж З И Й К Л М Н О П Р С Т У Ф Х Ц Ч Ш Щ Ъ Ы Ь Э Ю Я а б в г д е ж з **Hebrew** א ב ג ד ה ו ז ח ט י ך כ ל ם מ ן נ ס ע ף פ ץ צ ק ר ש ת װ ױ ײ ׳ ״ ֑ ֒ ֓ ֔ ֕ ֖ ֗ ֘ ֙ ֚ ֛ ֜ ֝ ֞ ֟ **Armenian** Ա Բ Գ Դ Ե Զ Է Ը Թ Ժ Ի Լ Խ Ծ Կ Հ Ձ Ղ Ճ Մ Յ Ն Շ Ո Չ Պ Ջ Ռ Ս Վ Տ Ր Ց Ւ Փ Ք Օ Ֆ ՚ ՛ ՜ ՝ ՞ ՟ ա բ գ դ ե q **Thai** ก ข ฃ ค ฅ ฆ ง จ ฉ ช ซ ฌ ญ ฎ ฏ ฐ ฑ ฒ ณ ด ต ถ ท ธ น บ ป ผ ฝ พ ฟ ภ ม ย ร ฤ ล ฦ ว ศ ษ ส ห ฬ อ ฮ ฯ ะ ั า ำ

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*]