

Abhishek Aich

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RESEARCH INTERESTS

Computer Vision, Machine Learning, and Sparse Signal Optimization.

EDUCATION

University of California, Riverside, CA, USA

- Ph.D. in Electrical and Computer Engineering Sep 2018 – Present
 - Adviser: Dr. Amit K. Roy-Chowdhury | Co-adviser: Dr. M. Salman Asif

National Institute of Technology, Tiruchirappalli, Tamil Nadu, India

- M.S. in Electronics and Communication Engineering 2016 – 2018
 - Thesis: Exploiting Sparsity for Direction of Arrival Estimation Algorithms in Linear Array
 - Adviser: Dr. P. Palanisamy
 - GPA: 8.80 / 10.00

Biju Patnaik University of Technology, Rourkela, Odisha, India

- B.Tech. in Electronics and Communication Engineering 2011 – 2015
 - Thesis: Target Tracking using Parametric Spectral Estimation Methods
 - GPA: 9.02 / 10.00

EXPERIENCE

Graduate Student Researcher

Sep 2018 – Present
CA, USA

- University of California, Riverside
 - Group: Video Computing Group
 - Supervisors: Dr. Amit K. Roy-Chowdhury and Dr. Salman Asif
 - Focus: Computer Vision and machine learning.

Research Scholar

Feb 2016 – Apr 2018
Tamil Nadu, India

- National Institute of Technology, Tiruchirappalli
 - Group: Signal and Image Processing Lab.
 - Supervisor: Dr. P. Palanisamy
 - Focus: Array signal processing, compressive sensing.

Teaching Assistant

Jan 2018 – Apr 2018
Tamil Nadu, India

- National Institute of Technology, Tiruchirappalli
 - Graduate Course: Digital Signal and Image Processing Lab. (EC610)
 - Supervisor: Dr. P. Palanisamy

Research Assistant

May 2014 – Aug 2015
Odisha, India

- Silicon Institute of Technology, Bhubaneswar
 - Supervisor: Prof. Utpal K. Dash
 - Focus: Array signal processing.

SELECTED PUBLICATIONS

- [1] J. Doe, J. Citizen, and A. Yone, "On lasers and climate change," in *Proceedings of the Laser Symposium*, Las Vegas, Nevada, USA, Jan 2007.
- [2] A. Yone and J. Doe, "Climate change and general relativity," in *Proceedings of the International Astronomical Conference*, Sydney, Australia, Aug 2006.
- [3] J. Doe and J. Citizen, "Measuring the extent of climate change," in *Proceedings of the International Climate Change Conference*, London, UK, Nov 2005.

AWARDS & SCHOLARSHIPS

- Dean's List, Fall 2002 through Spring 2005, Science College 2002 – 2005
For attaining a semester GPA of at least 3.75.
- Undergraduate Researcher Award, Science College May 2005
For outstanding scientific contributions in the fields of lasers and climate change.
- Chess Tournament, First Prize, Science College Mar 2003
Awarded at the Tenth Annual Chess Tournament held during Open House.
- International Science Scholarship, Dec 2001
Global Science, Technology, Engineering, and Mathematics Foundation
Full-tuition scholarship with stipend for undergraduate studies. One of 42 awardees in the world.

PROFESSIONAL AFFILIATIONS & ACTIVITIES

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

CAMPUS ACTIVITIES

First Volunteers Club, First American University

Aug 2006 – Aug 2007

- **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.
 - Wel turpis efficitur, non lacinia orci maximus.
 - Proin rhoncus, felis vel hendrerit lacinia.
 - 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.

OTHER WORK EXPERIENCE

Alpha Engineering Firm, Oakland, Ohio, USA

Oct 2007 – Jan 2008

- Project Officer, Department of Meteorological Sciences, Oct 2007 – Jan 2008
Research & Development Division
 - Nullam venenatis egestas nisl eget elementum.
 - Nulla finibus justo vel turpis efficitur, non lacinia orci maximus. Proin rhoncus, felis vel hendrerit lacinia, enim ipsum ultricies massa, sit amet interdum nisi massa sit amet justo.
 - Etiam vitae eros mollis, consectetur quam quis, molestie massa.

LANGUAGES

- English: Native language.
- Spanish: Fluent (speaking, reading, writing).
- Latin: Intermediate (reading); basic (speaking, writing).

SKILLS

T_EX, L^AT_EX, X_YL^AT_EX, 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`, `\SubSubBulletItem`, `\Item`, `\SubItem`, `\SubSubItem`, `\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.
 - This is a `\SubSubBulletItem`.
This is a `\SubSubItem`, which has no bullet. Note the alignment with the `\SubSubBulletItem` 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`, `\SubSubBulletItem`, `\Item`, `\SubItem`, `\SubSubItem`, `\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”)

[CV compiled on 2019-01-05 for Academic purposes]