**Curriculum vitae**

**Introduction**

Name : **Dev R Sadaula**

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**Education**

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| --- | --- | --- |
| **level** | **Name of Institution** | **Graduation Date** |
| School | Salyankot Higher Secondary School | April, 2002 |
| Intermediate in Science | Tri-Chandra Campus, TU | Dec, 2005 |
| Bachelor’s in science | Tri-Chandra Campus, TU | March, 2010 |
| Master of Science | Central Department of Physics, TU | November, 2014 |
| PhD | Western Michigan University | Started in Fall 2015 |

**Experience**

* Worked as a science Teacher in Oxford Higher Secondary School for one year (August 2008 – July 2009).
* Teaching Assistant in Western Michigan University from Sep 2015 to May 2019.
* Research Assistant in Western Michigan University from May 2019 – until now.

**Involvement**

* I am the member of American Astronomical Society.
* I am the member of Association of Nepali Physicist in America.

**Language Skills**

* English
* Nepali

**Computer Programming Skills**

* I am proficient in Programming in Fortran and Python to solve advance problems in Physics. I am now upgrading the famous photoionization code named XSTAR to include time part in the calculations. Then we will parallelize the code to make it more efficient in terms of time. Finally, we will make it publicly available. Once we finish it, we will apply this code in the Active Galactic Nuclei Outflow, where the absorbing gas called “Warm Absorber” is expected to be at out of equilibrium.
* I have taken a three-credit course in Data Base Management System in Computer Science Department, Western Michigan University.
* I have good knowledge of query Language MySQL.
* I have good knowledge of linear algebra packages, LAPACK, SCALAPACK and ODEPACK.

**Future Plan**

* To be a professional Researcher in Astrophysics and Cosmology.
* To study and use Machine learning in Astrophysical Research.

**Awards**

* Awarded from a Grant by” B.P Koirala Memorial Planetarium, Observatory and Science Museum Development Board “in 2013
* Received “Haym Kruglak Graduate Student Teaching Excellence Award” in April 2017.
* Awarded by David Carley Memorial Graduate Award for 2017 - 2018 for demonstrating outstanding scholarly achievement in coursework.
* Graduate College of recognized as a Doctoral Candidacy in Physics Program at Western Michigan University in July 2019.

**Workshops and Conferences**

* Participated in the “Fifth National Conferences on Science and Technology” organized Nepal Academy of Science and Technology (10-12 November 2008).
* Worked as an exhibitor in “The Second National Science Exhibition” organized by Central Department of Physics Tribhuvan University (7-10 Feb 2011).
* Participated in the “International School of Astronomy and Space Science” organized by B.P Koirala Memorial Planetarium Observatory and Science Museum Development Board (1-10 Oct 2012).
* Participated in the “National Workshops on Astronomy and Astrophysics” organized by Central Department of Physics, Tribhuvan University (25-28 June 2013).
* Participated in the international workshop on “Black Holes and Friends” organized by Fudan University Shanghai, China (30 March-1 April 2015).
* Participated in the a “Youth for Smart Solutions” conference on Climate change organized by Nepal Prakriti Pathshala (26-28 March 2014).
* Participated in the 236th meeting of American Astronomical Society which was held on 1-3 June 2020. There I presented the poster related my work in Ph.D.
* Participated and presented a short talk about my work in PhD in ANPA conference which was held on July 17-19.
* Participated in the workshop of AtomDB. Which was conducted in Aug 3-5 2020.
* Participated in all the colloquia of Western Michigan since Fall 2015 to till now.

**Social Activities**

* Worked as a secretary in Social organization named Ganga Jamuna Utthan Sangh Club.
* Member of Lions Club of Nepal Hilight since 2015
* Worked as a Volunteer in Samaritans Purse during the Massive earthquake in Nepal in 2015.
* Working as an Member of Association of Nepalese in Midwest America since 2020.

**Others**

* I am interested in the tourism business. I own the one third of shares of Touch Paradise Trekking Pvt. Ltd. Which primarily work in trekking in Nepal.

**References**

Prof. Manuel Bautista

Physics Department

Western Michigan University

Prof. Udayaraj Khanal

Central Department of Physics

Tribhuvan University