Dr. Maheswari L Patil

KLE Society's Gudleppa Hallikeri Arts, Science and

Commerce, Haveri

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Professional Summary

Working in the field of Computers for 5 years that include 4 years of teaching experience and a year of research experience. I have great quality work ethics and excellent communication skills with an emphasis on strong presentation skills.

Education

- Ph.D. in Bioinformatics (2016-2019)

  Karnataka State Akkamahadevi Women's University, Vijayapura, Karnataka, India **Automated Analysis of Whole Exome Sequence Data - Pipeline design for detection of Cancer related gene variants**

- M.Tech. in Bioinformatics (2014)

  Gowdara Mallikarjunappa Institute of Technology, Davangere Karnataka, India affiliated to Visvesvaraya Technological University, Belgum, Karnataka, India

- B.E. in Information Science and Engineering (2008)

  Bapuji Institute of Engineering and Technology Davangere Karnataka, India affiliated to Visvesvaraya Technological University, Belgum, Karnataka, India

Research Experience

- **Bioinformatician**

  Under the National Institutes of Health (NIH), Maryland, USA funded at the Department of Medical Genetics, Kasturba Medical College (KMC), Manipal, India.

  November 2019 to July 2020

  - Linux/Unix, Next-Generation Sequencing data analysis experience
  - Experience in design and execution of data processing pipelines
  - Designing primers and writing reports

Teaching Experience

- Currently working as Assistant Professor in Department of Computer Science KLE's Gudleppa Hallikeri College, Haveri since from August 2021.
- Worked as Full Time Guest Faculty in Department of Bioinformatics in Karnataka State Akkamahadevi Women's University (Formerly known as Karnataka State Women's University) Vijayapura from August 2019 to November 2019.
- Worked as Part Time Guest Faculty in Department of Bioinformatics and Biotechnology in Karnataka State Akkamahadevi Women's University (Formerly known as Karnataka State Women's University) Vijayapura from August 2018 to May 2019.
- Worked as Part Time Guest Faculty in Department of Bioinformatics in Karnataka State Akkamahadevi Women's University (Formerly known as Karnataka State Women's University) Vijayapura from August 2017 to May 2018.
- Worked as Part Time Guest Faculty in Department of Bioinformatics in Karnataka State Akkamahadevi Women's University (Formerly known as Karnataka State Women's University) Vijayapura from August 2016 to May 2017.
- Worked as Full Time Guest Faculty in Department of Bioinformatics in Karnataka State Akkamahadevi Women's University (Formerly known as Karnataka State Women's University) Vijayapura from October 2015 to May 2016.

Professional Skills

Languages: C, C++, Perl, Python, R

Operating System: Ubuntu, Linux/UNIX and Windows Web Technologies: HTML, CSS

Databases: Oracle, DBMS

Bioinformatics tools: Sequencing tools, Drug Discovery tools Bioinformatics DB: All Biological Databases

Publications

- Dhanyakumar G, Maheswari L P. Whole Exome Sequencing Data Analysis for Detection of Breast Cancer Gene Variants and Pathway Study. Int J Cur Res Rev. 14(6), March, 2022, 17-26, http://dx.doi.org/10.31782/IJCRR.2022.14603
- M. L. Patil, S. B. Madagi and J.Hoskeri (2019). Pathway study of gene variants of pancreatic cancer detected by Whole Exome Sequencing Data analysis, International Journal of Pharmacy

and Biological Sciences, Volume 9 issue1, DOI: 10.21276/ijpbs.2019.9.1.61 with impact factor 0.88.

- Maheswari L Patil, Prof. Shivakumar B Madagi. (2018). Whole Exome sequencing Data analysis for detection of gene variants of ovarian cancer and related clinical study, Research journal of Life sciences, Bioinformatics, Pharmaceutical and Chemical Sciences, Volume 4, Issue 6, DOI: 10.26479/2018.0406.17 with impact factor 0.89.

- Maheswari L Patil, Prof. Shivakumar B Madagi, Dr. C. N. Prashantha. (2018). Whole Exome sequence analysis to predict functional biomarkers for pancreatic cancer, International Journal of Advanced Research in Computer Science, Volume 9, Special Issue No. 3. (ISBN: 978-93-5311- 910-2).

- Patil, M., and S. J. Patel. "Pharmacogenomic Analysis of SNPS of ACE gene in stroke". Asian Journal of Pharmaceutical and Clinical Research, Vol. 8, no. 2, Mar. 2015, pp. 308-10,

Conferences

- Presented paper during NAAC sponsored one day online national Conference on IQAC organized "Environmental consciousness, sustainability and enhancement in higher educational Institutions" at K L E Society's Gudleppa Hallikeri Arts, Science and Commerce College, Haveri 581110. Karnataka.

- Presented a paper during Third National conference on "Advances in Computing and Information Technology" (ACIT-2018) during October 11 2018 at Bengaluru, India.

- Presented a paper during "International Conference on Medicinal Plants and Drug Discovery" held from July18-20, 2018 Bengaluru, India.

- Awarded "Best Oral Presentation Award" of the submission entitled "Whole Exome sequence Analysis to predict Potential Genetic Biomarkers for Breast cancer" during "International Conference on Medicinal Plants and Drug Discovery" held from July18-20, 2018 Bengaluru, India.

Seminars and Webinars

- Attended the National Level Webinar on "Cyber Vulnerabilities and White Hat Hacking" organized by Department of Information Technology and Training Placement Cell, KLE Society's Science and Commerce College, Mumbai.

- Participated in the Three days Webinar on "Artificial Intelligences: Why? Where? and How?",

Organized by Department of Computer Science, Karnataka State Akkamahadevi Women's University, Vijayapura, in Association with Department of Science and Technology CURIE-AI, New Delhi, held from 25th to 27th August 2020

Training Program

- Completed training program on Data Science with R by Simplilearn in year 2019 with one project.
- Completed training program on Big Data Hadoop and Spark Developer by Simplilearn in year 2019 with one project.
- Completed training program on Data Science with Python by Simplilearn in year 2019 with one project.
- Completed training program on Tableau Desktop 10 by Simplilearn in year 2019 with one project.
- Completed training program on Bioinformatics with Python, Basic Learning in Machine Learning and AI, R Software in Bioinformatics from nCube Solutions, Karnataka.