



Bhanu Prakash Doppala, Ph.D.

I am a passionate individual with excellent presentation, research and communication skills. Organized and driven with impressive list of achievements and history of excelling in high-pressure environments. 16 years of higher education experience and delivering hands-on training to adult learners in data science tools and technologies. Recognized for the ability to design engaging learning experiences, adapt teaching methods to varied audiences, and inspire learners to achieve academic and career success.

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📍 Brisbane, Australia

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SKILLS

Communication

Analytical

Proactive

Problem Solving

Research

SSPS

MATLAB

Big Data Analytics

Curriculum Development

Team Collaboration

Python

SQL

GIT

Power BI

Web Technologies

CCNA

Machine Learning

Data Exploration and Visualization

EDUCATION

Doctor of Philosophy

Information Technology Lincoln
University College

09/2018 - 05/2022,

Kuala Lumpur, MALAYSIA

Master of Technology Computer

Science and Engineering Acharya
Nagarjuna University

06/2008 - 10/2010,

Guntur, INDIA

Bachelor of Technology

Computer Science and Engineering
D.M.S.V.H. College of Engineering

07/2004 - 04/2007,

Machilipatnam, INDIA

Diploma

Computer Science and Engineering
Dr. B.R.A.G.M.R. Polytechnic

06/2001 - 04/2004,

Rajahmundry, INDIA

WORK EXPERIENCE

Lead Instructor in Data Analytics Generation Australia

03/2023 - 07/2025,

Sydney, AUSTRALIA

- Handling full time Data Analytics Program Lectures and engaging learners during hands-on practice sessions to actively learn the technologies that include Python Programming, Power BI, SQL, GIT etc.

Lead Instructor in Data Analytics Academy Xi

09/2022 - 12/2022,

AUSTRALIA

- Handling full-time Data Analytics Program Lectures and engaging learners during hands-on practice sessions to actively learn the technologies that include Python Programming, Power BI, SQL, GIT etc.

Assistant Professor, Computer Science & Engineering Vignan's Institute of Information Technology (A)

12/2016 - 05/2022,

Visakhapatnam, INDIA

- Handled full-time lectures for B. Tech and M. Tech CSE Students.
- Engaged students' active participation in learning by encouraging sharing of opinions and group interactions.
- Created lesson plans and developed instructional materials covering required topics and learning objectives.
- Provided guidance for student thesis and dissertation work and facilitating high quality, student-centered learning activities.
- Prepared innovative course materials to encourage critical thinking and discussion.
- Provided quality learning and teaching strategies which facilitate improved student retention, employability and successful outcomes for students
- Performed research in Machine Learning and published papers in international journals.

Academic Head

EEGL-Madurai Kamaraj University (Accra Campus)

05/2015 - 05/2016,

Accra, GHANA

- Directed, coordinated and evaluated activities of support staff within academic institutions, departments and alumni organizations.
- Collaborated with teachers to understand and improve classroom conditions.
- Improved individual departments by working closely with faculty to reorganize class workloads, promote resource utilization and modernize equipment.
- Worked successfully with diverse group of coworkers to accomplish goals and address issues related to our products and services.
- Improved student educational plans by advising on course selection, progress plans and career decisions.

Assistant Professor, Computer Science & Engineering D.M.S.V.H. College of Engineering

06/2009 - 05/2015,

Machilipatnam, INDIA

- Engaged students in lectures by quality, innovation, currency and evidence-base of teaching and learning.
- Maintained student engagement through creative subject delivery and learning activities.
- Tutored students who require additional assistance to improve overall comprehension of difficult concepts.
- Coordinated field study sessions to provide students with hands-on experience.

Software Engineer Semanticspace Technologies

06/2007 - 01/2009,

Hyderabad, INDIA

- Collaborated with cross-functional team to define features and build powerful and easy-to-use products and customer-facing workflow tools.
- Wrote, tested and deployed code, verifying operational and UX integrity for releases.
- Updated existing RESTful APIs and corresponding documentation.
- Collaborated with agile development team to test, develop and maintain web and desktop-based software applications.
- Coordinated with project managers to meet development timelines and plan testing.
- Reviewed and modified unit and integration tests to improve software quality and reliability.
- Drew development software road map based on client specifications and user-guided design.

RESEARCH PUBLICATIONS

- **Early-stage detection of Cardiomegaly: An extensive review**
International Journal of Advanced Science and Technology, Volume 125, 2019.
- **Premature Detection of Cardiomegaly using Hybrid Machine Learning Technique.** *Journal of Advanced Research in Dynamical & Control Systems*, Volume 12, Issue 06, 2020.
- **Stratification of Cardiovascular Diseases Using Deep Learning**
Revue d'Intelligence Artificielle, Volume 34, Issue 04, August 2020.
- **Prediction and Forecasting of Persistent Kidney Problems Using Machine Learning Algorithms.** *International Journal of Current Research and Review*, Volume 12, Issue 20, October 2020.
- **A hybrid machine learning approach to identify coronary diseases using feature selection mechanism on heart disease dataset.** *Distributed Parallel Databases*, Volume 39, Issue 1, March 2021.
- **Automatic Determination of Harassment in Social Network Using Machine Learning.** *Smart Technologies in Data Science and Communication*, June 2021.
- **Extensive Statistical Analysis on Novel Coronavirus: Towards**

Worldwide Health Using Apache Spark. *Healthcare Informatics for Fighting COVID-19 and Future Epidemics*, Springer, September 2021.

- **A Reliable Machine Intelligence Model for Accurate Identification of Cardiovascular Diseases Using Ensemble Techniques.** *Journal of Healthcare Engineering*, March 2022.
- **A Novel Approach to Predict Cardiovascular Diseases Using Machine Learning.** *Machine Intelligence and Soft Computing Proceedings of ICMISC 2020*.
- **Development of an Automated CGPBI Model Suitable for HEIs in India** *Machine Intelligence and Soft Computing Proceedings of ICMISC 2020*.
- **Comparative Analysis of Prevalent Disease by Preprocessing Techniques Using Big Data and Machine Learning: An Extensive Review.** *Machine Intelligence and Soft Computing Proceedings of ICMISC 2020*.
- **A Hybrid Intelligent Approach for Early Identification of Different Diseases in Plants.** *Machine Intelligence and Soft Computing*, January 2022.
- **Two-Node Tandem Communication Networks to Avoid Congestion.** *Machine Intelligence and Soft Computing*, January 2022.
- **Big Data Analytics Services in Health Care: An Extensive Review.** *Machine Intelligence and Soft Computing*, January 2022.
- **A Machine Intelligence Model to Detect Drowsiness for Preventing Road Accidents.** *Applied Artificial Intelligence and Computing (ICAIC)*, May 2022.
- **Prediction of Micro Vascular and Macro Vascular Complications in Type-2 Diabetic Patients using Machine Learning Techniques.** *(IJACSA) International Journal of Advanced Computer Science and Applications*, November 2022.
- **Deep belief network-based image processing for local directional segmentation in brain tumor detection.** *Journal of Electronic Imaging*, Volume 32, Issue 6, January 2023.
- **An Auto Encoder-Decoder Approach to Classify the Bird Sounds Using Deep Learning Techniques.** *SN Computer Science*, March 2023.
- **An Efficient, Lightweight, Tiny 2D-CNN Ensemble Model to Detect Cardiomegaly in Heart CT Images.** *Journal of Personalized Medicine-MDPI*, 13(9), 1338, August 2023.
- **Lexical Based Reordering Models for English to Telugu Machine Translation.** *Revue d'Intelligence Artificielle*, October 2023.
- **Prediction of Rice Leaf Diseases at an Early Stage Using Deep Neural Networks,** *Accelerating Discoveries in Data Science and Artificial Intelligence*, May 2024
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PROFESSIONAL SOCIETIES

- Member of IEEE, IAENG, IFRP

ADMINISTRATIVE RESPONSIBILITIES

- *Experience in Recruitment of staff including Interviewing and Induction.*
- *Managing students by providing guidance and feedback to help them strengthen their skills and knowledge base.*
- *Excellent time management skills to ensure targets are met and plans completed efficiently.*
- *Involved in devising future plans to remain student focused.*

- *Willing to take responsibility for the quality of teaching delivered and to make necessary changes to improve quality and maintain standards.*
- *Able to organize conferences and establish contacts with the wider academic community.*

CERTIFICATES

CCNA: Introduction to Networks.
 CCNA: Switching, Routing and Wireless Essentials.
 CCNA: Enterprise Networking, Security and Automation.
 CISCO Certified Educator
 CCNA Active Instructor Certificate
 Power BI Essential Training Learning
 Power BI Desktop Integrating AI &
 Machine Learning

VOLUNTEER EXPERIENCE

CCNA - Educator

Vignan's Institute of Information Technology (A)

07/2021 - 05/2022, Visakhapatnam, India

Tasks/Achievements

Provided CCNA Certification for more than 300 students During academic year 2021-2022

ACHIEVEMENTS

Performance

Prathibha Award for excellence in Academics

Vignan's Institute of Information Technology (A), INDIA

Nominations

Nominated for consecutive years as Examination Coordinator

Vignan's Institute of Information Technology (A), INDIA

CCNA Educator

Provided CCNA Certification for more than 300 Students during Academic Year 2021-2022

Vignan's Institute of Information Technology (A), INDIA

Co-Curricular Activities

Secured second place in the State Level Shuttle Badminton Championship

AP State Teachers Badminton Association, INDIA

Man of the match award for scoring 121 Runs in a T20 match.

Ghana Cricket Association, GHANA

LANGUAGES

English, Hindi, Telugu

Research Profiles

<https://www.scopus.com/authid/detail.uri?authorId=57218908466>

https://scholar.google.com.au/citations?user=p_4_N4oAAAAJ&hl=en&authuser=2