P.SUMALATHA
Mobile No: +91-9989792832
Email: sumalatha.psl@gmail.com

Career Objective

To secure a challenging and professionally satisfying career with a potential for professional advancement in a highly competitive environment. Looking for an opportunity where I can achieve my objective thereby playing a significant role towards the growth of the organisation with my hard work and commitment.

Work Experience

➢ Working as Assist Professor in Sri Vani Institute of Management and Sciences,Ananthapuramu from july 2018th to till date.

➢ Taken PG classes at the time of research in SRI KRISHNADEVRAYA UNIVERSITY from 2011-2017

➢ Workings as IT associate In IEG (INSTITUTE FOR ELECTRONIC GOVERNANCE), Hyderabad Since March 2008 to 2011.

EDUCATIONAL QUALIFICATIONS

➢ Ph.D **in the Department of Computer Science and Technology** at Sri Krishnadevaraya University, Anantapuramu as a Full-Time Scholar under the Guidance of Prof. B. Sathyanarayana from May 2011- 1st July-2017

Thesis Title: " Multi-Level Identity Based Cryptography for secured Digital signature Authentication in Wireless Sensor Networks"

➢ First Class **M.Tech** in **Computer Science & Engineering** from JNTUA Anantapuramu On March -2021

➢ First Class **MSc(Computer Science)** from Sri Krishnadevaraya University, Anantapuramu in 2007

Eligibility Examinations Qualified (NET / SET)

➢ Qualified **Andhra Pradesh State Eligibility Test** in **Computer Science and Applications** in the **year 2020**

Key Responsibilities Handled

➢ Prepare and deliver lectures to graduate level students on topics such as Programming, Operating System, Fundamentals and Application of Computer, Computer packages.
➢ Guide groups of graduate level student's academic projects and Supervise students' laboratory work.
➢ Plan, evaluate, and revise curricula, course content, and course materials and methods of instruction.
➢ Advise students on academic and vocational curricula, and on career issues.

PUBLICATIONS

1. **P.Sumalatha** and B.Satyanarayana(jan 2014), **"A Review On Multi Level Identity Based Cryptography For Secure Digital Signature Authentication"** International Journal of Computer Engineering and Applications, Volume V pg 49 -60

2. **P.Sumalatha,**B.Sathyanarayana (June 2015) "**Enhanced Identity Based Cryptography for Efficient Group Key Management in WSN**" *International Journal of Application or Innovation in Engineering & Management (IJAIEM) pg 116-128.*

3. B.Sathyanarayana and **P.Sumalatha**(June 2016). **"Multi-Level Identity based Cryptography for Improved Security in WSN"**IPASJ International Journal of Computer Science (IIJCS), p1-12.

4. **P.Sumalatha** and C.Krishnapriya(Sep-Oct 2017),**"A Prototype Implementation for Public Key Infrastructure Based on Transport Layer Security."**International Journal of Emerging Trends & Technology in Computer Science, pg 83-88

5. C.Krishnapriya and **P.Sumalatha**(Sep-Oct 2017), **"Energy Aware Robust Key Management Scheme for Dynamic Wireless Sensor Networks."**International Journal of Emerging Trends & Technology in Computer Science, pg 89-94.

6. C.Krishnapriya, **P.Sumalatha**, B.Harichandana, K.Lavanya (December 2019), **"AN ADVANCED ROAD STRUCTURE IMAGE SEGMENTATION METHOD USING SWT IN CNN."**International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-2S3, pg 114-118.

7. B.Harichandana, K.Lavanya, **P.Sumalatha**, C.Krishnapriya (December 2019), **"DESIGN AND ENHANCEMENT OF LICENSE PLATE IMAGES BASED ON KERNEL ESTIMATION USING ADAPTIVE FILTER."**International Journal of

Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9, Issue-2S3, pg 114-118.

8. C.Krishnapriya and **P.Sumalatha** (May 2020), "**DESIGN OF ADVANCED ROUTING PROTOCOL IN WIRELESS SENSOR NETWORKS.**" Journal of Engineering Sciences (JES) ISSN NO: 0377-9254, Volume- 11 Issue-5, Pg 153-159.

9. **P.Sumalatha** and C.Krishnapriya (May 2020), " **ENHANCEMENT OF WIRELESS SINGLE INPUT MULTIPLE OUTPUT (SIMO) IN SENSOR NETWORKS.**" Advanced Science Letters ISSN NO:1936-6612, Volume 26, Num 05,Pg 31-37

TECHNICAL ACQUAINTANCE

- ➤ **Operating Systems** **:** Windows, DOS
- ➤ **Languages** **:** C, C++, SQL, JAVA
- ➤ **Web Technologies** **:** JavaScript, HTML
- ➤ **Databases** **:** Oracle
- ➤ **Servers** : Tomcat Server
- ➤ **Office Applications :**Microsoft PowerPoint, Access, Excel, Word

Field of interest :

Algorithms,Data Structures, Object Oriented Technology, Computer networks

Subjects Taught :

Object Oriented Programming Using Java , C++, Programming in C, Fundamentals of Information technology , Data base management system concepts etc.

Attended workshops :

1. Attended two-day national workshop on "statistical tools for physical and social sciences" conducted by Department of Statistics, SSBN Degree college Anantapuramu on 8th- 7th February 2014.

2. Attended a three-day national level workshop on "Network Simulation Using NS2" conducted by Department of IT , JNTUHCEJ, Nachupally, Karimnagar on 5th – 7th March 2014.

3. Attended Two-Day UGC National Symposium on "Emerging Trends in Computing Technologies and Application" conducted by Sri Krishnadevaraya University, S.V.Puram, Anantapuramu on 6th-7th December 2015.

4. Attended National Workshop on "Dissemination of Geo-Spatial Technology for the Development of Andhra Pradesh" Organized in association with APSAC. Govt. of Vijayawada on 23rd March 2017 at Sri Krishnadevaraya, Anantapuramu.

5. Attended International Workshop Sponsored by UGC at Government Arts College for Men on "NextGen technologies –Data science and Machine Learning with python" by department of Computer Science on 21st August 2019 at Nadanam, Chennai.

6. Attended a Three-Day National Workshop for Faculty on "Artificial Intelligence, Machine Learning and Deep Learning (Sponsored by Department of Science and Technology, New Delhi) from 18th -20th November 2019 organized by Gates Institute of Technology, Gooty, Andhra Pradesh.

7. Attended a three-Day National level Workshop on "Pedagogical Skills for Faculty in Outcome-Based Education" sponsored by TEQIP-III In association with IEEE Hyderabad Educational Society from 6th-8th December 2019 at JNTUA College of Engineering, Anantapuramu

Faculty Development Programs

1. One-Week Online FDP on "Python Programming" organized by Department of Computer Science, Government First Grade College and PG Center, Dharwad in association with Spoken Tutorial, IIT Bombay (An initiative of National Mission on Education through ICT, MHRD, Govt. of India, under PMMMNMTT Scheme) from 9th July 2020 to 15th July 2020.

2. TEQIP-III Sponsored One-Week Faculty Development Program on "Leadership Skills" from 19th-24th August 2019 conducted at JNTUA College of Engineering, Anantapuramu.

3. TEQIP-III Sponsored One-Week Faculty Development Program on "Innovative Teaching- Learning Techniques in Higher Education" from 4th -9th September 2019 conducted at JNTUA College of Engineering, Anantapuramu.

4. Two week AICTE sponsored Online Faculty Development program (FDP)on Deep Learning in Image and Computer Vision Application " conducted by Sri Krishna College of Technology ,Coimbatore from 07-12-2020 to 19-12-2020.

5. AICTE Sponsored One week Online Short Term Training Programme (STTP) on "Data Analytics and Machine Learning using R & Python" organized by the Department of Computer Science and Engineering, JNTUACEA during 13th – 18th July 2020.

Patents

1. **P. Sumalatha,** C. Krishnapriya, K. G. S. Venkatesan, B. Harichandana
   Title: A Methodology and an Efficient Algorithm To encrypt and Decrypt the stored Data and Images on cloud
   Patent Id : 20204109195

2. **P. Sumalatha,** C. Krishnapriya, K.G.S.Venkatesan,
   Title : A Distributed Antenna Based System to Track the Covid Patients and Monitor them Continuously
   Patent Id : 2020101444

3. **P. Sumalatha,** C. Krishnapriya, Subburaj, B. Harichandana
   Title : Design Of I-Health Using NFC Tag for Monitoring, Storing and Accessing Patient Health Information in Single Tap
   Patent Id : 202041041632

PERSONAL STRENGTHS

- Optimism and Hardworking
- Ability to work in a pressure environment.
- Zeal to learn new concepts.
- Commitment towards work

PERSONAL PROFILE

Name	**:** P.Sumalatha
Father's name	: K.Bheemappa
Sex	: Female
Date of birth	: 01/04/1983
Marital status	: Married
Children	**:** Two sons
Nationality	: Indian
Social Status	**:** Scheduled Tribe(ST Yerukala)
Languages known	: English, Telugu& Hindi

Address   **:** Plot No :124,Adarsh Nagar,

                 Near Nayak Nagar Railwaygate,

                 Anantapuramu-515001.

DECLARATION

I hereby declare that the information furnished above istrue to the best of my knowledge.

Date   :

Place :   Anantapuramu   (Sumalatha.P)