KANIMOZHI M

M E (Communication Systems)
B.Tech (Electronics and Communication Engineering)
B.Ed (Physical science)
Contact No: 9597681496 Email: kanimanuvel@gmail.com

OBJECTIVE:

To secure a responsible position in a well reputed organisation that will help me in developing my own skills and knowledge which will further contribute to the overall development of the organisation.

EDUCATIONAL QUALIFICATION:

QUALIFICATION	SCHOOL/ UNIVERSITY	YEAR OF PASSING	CGPA/ PERCENTAGE
B.Ed (Physical Science)	Mangalam college of Education, Anthiyur	2022	80
ME Communication Systems	Sri Krishna College of Engineering and Technology ,Coimbatore	2020	7.92
B.Tech Electronics and Communication Engineering	Karunya University, Coimbatore.	2018	6.66
HSC	Vimal jyothi CON MHSS, Coimbatore	2014	68.5
SSLC	Nirmala M HSS, Coimbatore	2012	81.4

EXPERIENCE:

- ✓ Worked as teacher in National model matriculation higher secondary school for the period of 7 months from (October 2023 to April 2024)

AREA OF INTEREST:

- Image processing.
- Network Security.
- Wireless Sensor Network.
- Mobile Communication.
- Digital Electronics.

SOFTWARE PROFICIENCY:

- **Languages known** : C++,Python
- **Simulation tools** : Matlab,LabVIEW
- **Hardware tools** :Arduino

TRAINING:

- L&T Electrical & Automation projects,Mumbai
- Uniq Technologies,Coimbatore
- Code Bind Technologies,Coimbatore

ACCOMPLISHMENTS:

- Grade C in the Business English CertificateVantage
- First in Tamil Elocution Competition
- First in English Elocution Competition in the year 2009

PROJECT WORK:

PROJECT COMPLETED:

Title: DCT based Steganography for Secured Image Transmission.

Description: Steganography is the practice of concealing the communication existence by hiding the traveled message in cover media. This project aims to study Discrete Cosine Transform (DCT) based steganography Using DC components for hiding secret bits sequentially in Least significant Bits (LSBs) (1-LSB & 2-LSB) The proposed image steganography algorithm composed of two major processes which are embedding and extracting of the confidential data from an image.

Title: Classification of medical images using decision tree based svm.

Description: To detect the nodules in lungs using image processing techniques and classify them as cancerous and non-cancerous cells .Classification is performed using Support Vector Machine (SVM) and by decision tree based SVM(Support Vector Machine). The performance of the classifier is also analysed.

Title: Secure Handshake Hybrid secured algorithm for Acceleration-based Pairing Mechanism in Wrist Worn Devices

Description: With the large spread of wrist worn smart devices in daily lives, a wide series of applications are now in existence. Securing message conversation between these devices has become a challenging issue, considering the high security necessities and low computation capabilities of these wrist worn devices. In this work, a secure wrist worn smart device pairing scheme by exploiting the motion signal of the devices generated by the handshake to negotiate a

reliable key between users is proposed. To ensure the security of key negotiation, a hybrid secured algorithm is further developed.

EXTRA CURRICULAR ACTIVITIES:

- Paper presentation on DCT based Steganography for secured image transmission in 2018th National conference.
- Paper presentation on Secure Handshake Acceleration-based Pairing Mechanism for Wrist Worn Devices in 2019th International conference.
- Paper presentation on "Application of Selective Region Growing Algorithm in Lung Nodule Segmentation" in 2018th fourth International Conference on Devices, Circuits and Systems (ICDCS) 2018.
- Published a paper entitled "Secure Handshake Hybrid secured algorithm for Acceleration-based Pairing Mechanism in Wrist Worn Devices". in International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-5, March 2020.
- Published a paper entitled "Cognitive Technology in Various Applications" in e-journal Volume 7, Issue 1 0n March 2019 in International Journal of Scientific Research.
- Published a paper entitled "Automatic Movable Platform for Crossing Railway Track".in International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-3, September 2019.
- Participated in workshop on Intellectual Property Rights, Karunya University.
- Member of Journalism club, Karunya University.
- Member of Outreach club, Karunya University.
- Participated in seminar on Embedded projects development, Kites Cochin.

INDUSTRIAL EXPOSURE:

- ISRO (Indian Space Research Organisation) Telemetry Tracking and Command Network (ISTRAC),Bangalore.
- All India Radio,Bangalore
- Kites software pvt .Ltd,Cochin.

PERSONAL SKILLS:

- Adaptability to different situations.
- Leadership and Responsible.
- Hardworking.

- Integrity
- Sincerity
- communication

HOBBIES:

- Drawing
- Speech
- Sports
- Gardening

PERSONAL DETAILS:

DOB : 29th August 1996

Languagesknown : Tamil, English,French.

PermanentAddress : 26 Srinivasa nagar , sivalingapuram, ondipudur
Coimbatore - 641016

DECLARATION:

I do hereby declare that the above information is true to the best of my knowledge.

Place : COIMBATORE KANIMOZHI M