

Ananya S

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Objective:

To be associated with a progressive organization that gives me scope to apply my knowledge and skills along with my hard work and patience. To be part of the team that dynamically works towards the growth of the organization.

Educational Qualification:

- **B.Tech:** (2020-2024), School of Electronics and Communication Engineering, Dept. of Electronics and Computers, REVA University, Bengaluru, India. **(8.45 CGPA)**
- **Class XII:** (2020), Rashtrorathana PU College, Bengaluru, Karnataka **(85.16%)**
- **Class X:** (2018), Adarsha Vidyalaya, Holenarsipura, Karnataka **(89.76%)**

Experience:

- Web development Intern, at Nextwave Creators LLP, (June-2023 to till date)

Extra Curriculum:

- **National Cadet Corps (NCC):** B Certificate
- **IEEE** Student Member

Technical Skills:

- **Programming Languages:** C (Intermediate), Python (Basics), Java
- **Familiar Libraries:** PyTorch, SciKit, OpenCV, scikit, NumPy, Jupyter
- **Tools:** MATLAB, Figma **Database:** MySQL
- HTML, CSS, DBMS, CISCO Packet tracer

Courses/Certifications:

- **Coursera:** Introduction to Java, Machine Learning, Neural networks and Deep Learning, Programming for everybody Python, SQL for Data Science
- CISCO- Networking basics, Google Cloud badges, Software development lifecycle

Projects:

- **Replay attack countermeasure for Speaker verification system:** This work shows the significance of lower (0-2 kHz) and higher frequency (6-8 kHz) band in the speech signal to differentiate the replayed and genuine signal. Constant-Q cepstral coefficients (CQCC) feature extraction method is adopted to extract the lower and higher frequency band with the discriminative power features to detect the spoofed speech signals. Further, GMM is utilized to classify genuine and spoofed speech signals and to improve system performance.
- **Glaucoma Detection using HOG and Feed-forward Neural Network:** This study provides an assessment of detecting retinopathy, glaucoma, and healthy images using a feature extraction method called Histogram of Oriented Gradients (HOG), and feed-forward neural network used as

a classifier to classify the refunds images.

- **Glaucoma detection system using decomposition method and DNN technique:** This study provides an assessment of detecting retinopathy, glaucoma, and healthy images using Bi-directional empirical mode decomposition method and feed-forward neural network to improve the system performance.

Research Work (Publications):

- **Ananya, S.,** Manjula R. Bharamagoudra, K. P. Bharath, Rahul R. Pujari, and Vachan A. Hanamanal. "**Glaucoma Detection using HOG and Feed-forward Neural Network.**" In *2023 IEEE International Conference on Integrated Circuits and Communication Systems (ICICACS)*, pp. 1-5. IEEE, 2023.
- Bharath K P, **Ananya S**, "New replay attack detection using Low and high frequency band features", *ICDSAAI – 2023*, IEEE, (Submitted).

Personal Details:

Date of Birth	:	01-10-2002
Father's name	:	Subbaraya R
Languages known	:	English, Kannada.
Permanent address	:	Holenarsipura, Hassan [Dist], 573211

Declaration:

I hereby declare that the above furnished information is true to the best of my knowledge and I take complete responsibility for any false information provided by me.

Date:
Place: Bengaluru

Your's faithfully
Ananya S