

J Nithyasree

+91 9019360361 | jnithyasree04@gmail.com | [linkedin.com/in/j-nithyasree](https://www.linkedin.com/in/j-nithyasree) | github.com/nithyasreej

PROFILE

Innovative and results-driven Computer Science and Engineering student with a strong foundation in machine learning, deep learning, and software development. Adopt at problem-solving and eager to apply skills to real world challenges in a collaborative and fast-paced environment. Proven track record of leading projects and achieving academic excellence.

EDUCATION

College Of Engineering Guindy, Anna University Chennai Tamilnadu, India
B.E. Computer Science and Engineering *Nov. 2021 – Present*

- CGPA: 8.65 Till 6th semester
- Relevant Coursework: Machine Learning, Deep Learning, Data Structures, Algorithms, Computer Vision, Operating Systems, Computer Networks, Object Oriented Algorithm And Design, Compiler Design, Big Data, Information Security

Vidya Jyothi PU College Kolar Karnataka, India
12th Karnataka State Board *June 2019 - May 2021*

- 100% (600/600)

Kendriya Vidyalaya BEML Nagar KGF Karnataka, India
10th CBSE Board *April 2018 - March 2019*

- 93% (465/500)

PROFESSIONAL EXPERIENCE

Research Intern June 2024 – Present
College Of Engineering Guindy, Anna University *Chennai, India*

- Conducting advanced research on deepfake detection using vision transformers on facial organs under Head of the Department of Computer Science and Engineering, Dr.V.Mary Anita Rajam.
- Developed novel techniques to improve deepfake detection accuracy through innovative approaches and cutting-edge technology.

SDE Intern Jul 2024 – Present
GrapplTech *Remote*

- Assisting in the Frontend development of a scalable Hero-section in the web application using HTML, CSS and React Js.
- Collaborated with cross-functional teams to gather requirements and ensure timely delivery of features.

SKILLS

Programming Languages: C/C++, Java, Python, SQL, HTML, CSS, JavaScript, React JS

Technologies: React, Deep Learning, Machine Learning, Data Structures and Algorithms, Computer Vision

Tools: TensorFlow, Keras, PyTorch, OpenCV, Git, PowerShell, MySQL

Soft Skills: Leadership, Communication, Team Collaboration, Problem Solving

AWARDS & HONORS

- **Code For Queens:** Winner in Code For Queens event, conducted at SYNC'22, an Intra College technical symposium, organized by CSEA – CEG.
- **NAMAKKAL KAVIGNAR ENDOWMENT:** A Certificate Of Merit Given By CEG.
- **Tamilnadu First rank holder in TNEA 2021 With Engineering Cutoff 200/200.**
- **State Topper:** Karnataka State topper in Board PU'21 With 100%.

PROJECTS

- Deepfake Detection By Ensembling of VGG16 and EfficientNet on Videos** Feb. 2024 – May. 2024
- Enhanced deepfake detection by leveraging advanced techniques such as ensembling, giving 50-50% weightage to VGG16 and EfficientNetB5 models and analyzing images and videos.
- Driver Fatigue Analysis** Oct. 2023 – Nov. 2023
- Developed a real-time driver fatigue detection system using Python, OpenCV, and TensorFlow.
 - Implemented facial recognition to monitor driver's eyes and facial expressions, utilizing Convolutional Neural Networks (CNNs) for accurate drowsiness prediction.
 - Integrated the system to raise timely alerts, enhancing road safety.
- File Segregation and Un-Segregation Automation** Mar. 2023 – May. 2023
- Developed a PowerShell script to automate the segregation and unsegregation of files within a folder based on their extensions.
 - Enhanced file management efficiency by organizing files into subfolders according to their file types and also reverting the process in Windows 11.
- RailHub: A Railway Management System** Mar. 2023 – May. 2023
- Developed RailHub, a comprehensive railway management system, featuring user authentication, ticket booking, train scheduling, passenger data management, analytics, and feedback mechanisms.
 - Implemented using HTML, CSS, JavaScript, PHP, and MySQL.

LEADERSHIP & ORGANIZATIONS

- Guindy Times, Director Of TECH** Nov. 2021 – Present
Chennai, India
- Previously served as **Deputy Director of Tech** for Guindy Times, the official campus magazine of CEG, ACTECH, and SAP.
 - Built websites for flagship event **MUGAVARI**: mugavari.guindytimes.com and guindytimes.com.
 - Currently guiding junior on website and app building For GT.
- CEG Tech Forum, Workshop Coordinator** 2022 – 2023
Chennai, India
- Coordinated workshops during Kurukshetra, an international techno-management fest conducted annually by CEG in Chennai.
- NSS Unit-10, Volunteer** June 2024 – June 2025
Chennai, India
- Organized and participated in community service activities, focusing on education and environmental sustainability.

LANGUAGES

English: Fluent
Tamil: Native
Hindi: Fluent
Kannada: Limited Working Proficiency

HOBBIES

Chess

- Kolar District Winner Under 11.
- Rank 7 (National substitute) in Regional South India Level Conducted By Kendriya Vidyalaya Sangathan.

Listening Music
Photography
Solving Rubik's Cube