

# Tarun S Maidur

Bachelor of Engineering

Computer Science and Engineering

KLE Technological University, Hubballi

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[Github](#)

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## Education

Degree/Certificate	Institute/Board	Year	Result
Computer Science (Artificial Intelligence)	KLE Technological University Hubballi	2021-2025 (present)	8.74 (Current-GPA)
12th Grade	Siddanganga P U College Davanagere	2021	99.5%
10th Grade	M D R S Bevinahalli	2019	96.64%

## Experience :

### • Samsung R&D Institute Bangalore - PRISM

Sep 2023 - Aug 2024 (Virtual)

- Project Intern – developed a content and noise aware tone map algorithm that can give natural and best visual quality under all light conditions for LDR displays like mobiles. .
- Trained the semantic segmentation model ResNet101dilated+PPM deepsup on ADE20K dataset .
- Compared various models like unet, pspnet and others to get better semantic hints.
- Developed GCN Network as pipeline to connect the segmentation models and tone mapping model which is trained on MIT-Adobe FiveK Dataset.
- achieved a HyAB score of 4.62, with a PSNR of 30.46 dB and a SSIM of 0.968, reflecting its strong image quality and structural similarity performance.
- **Tech stack:** Python, PyTorch.

## Projects :

### • Food Bridge

[\[GitHub\]](#)

- Developed a full-stack web application aimed at reducing food waste by connecting donors (hotels, restaurants) with potential receivers.
- Implemented key functionalities such as user authentication, donation tracking, and real-time notifications using React.js for the front-end and Spring Boot for the back-end.
- **Tech stack:** React, Spring Boot,MySQL.

### • Severity Calculation of Tar Disease

[\[GitHub\]](#)

- Developed a deep learning model for early detection of tar disease in sorghum crops.
- Used CNNs to analyze crop image data, improving detection accuracy..
- Provided a reliable tool for farmers to manage and prevent crop diseases effectively.
- Research Paper got Accepted at the 9th International Conference for Convergence in Technology (I2CT)

## Technical Skills :

- **Programming:** Java, JavaScript, c/c++, python.
- **Frameworks:** React, Redux, Tailwind,Spring Boot, Node.JS, Express.
- **Database:** MySQL, MongoDB.

## Practice Projects :

- **Social Media-** : Developed Web Application using springboot and react where users can signup,signin,post,comment etc. (Spring Boot) [Github](#)
- **FarmFriend** : deveeloped web application using springb00t and react where farmers can sell their cropwaste and check suggestions for suitable crop and weather conditions. (Spring Boot) [Github](#)
- **Result Analyser:** Developed mern project where admin can enter the maks of varios courses of studenst and analyse the coursewise results of students and each students details using chartjs (MERN) [Github](#)
- **Blogs Application:** developed mern project where users can post their blog and follow blogger comment on blog and like blog (MERN) [Github](#)