TARUN S MAIDUR

B.E in Computer Science (Artificial Intelligence)

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Career Objective: Aspiring software engineer with a strong foundation in programming, front-end and back-end development, and artificial intelligence. Seeking to leverage technical skills and problem-solving abilities to contribute to innovative projects and advance in a challenging role within an organization.

SKILLS

- **Programming Languages**: Java, JavaScript, C++, C, Python
- **Front-End Development**: HTML, CSS, React.js, Tailwind CSS
- **Back-End Development**: Spring Boot, Node.js, Express
- **Databases**: MySQL, MongoDB
- **Artificial Intelligence**: Machine Learning, Deep Learning
- **Version Control and Others**: Git, GitHub, Docker, Blockchain Technology
- **Soft Skills**: Problem-solving, Team-collaboration, Effective communication, Time-management

EDUCATION

Computer Science (Artificial Intelligence)

K L E Technological University Hubli

Dec 2021 – May 2025

CGPA: 8.74

12th Grade

Siddaganga Science PU College Davanagere

June 2020 – April 2021

Grade: 99.5

10th Grade

M D R S Bevinahalli Savanur Haveri

Jun 2018 – March 2019

Grade: 96.64

RELEVANT COURSES

- Data Structures and Algorithms
- React.js and Frontend
- Object-Oriented Programming, Operating Systems
- Computer Networks, Machine Learning, Deep Learning

PRACTICE PROJECTS

- Social Media Web (Spring Boot) || GitHub
- FarmFriend (Spring Boot) || GitHub
- Result Analyser (MERN) || GitHub
- File Uploader and Nodemailer (Node.js) || GitHub
- Blogs Application (MERN) || GitHub
- Learning Management System (MERN) || GitHub

EXPERIENCE

Food Bridge || GitHub

Minor-I Project

- Developed a full-stack web application aimed at reducing food waste by connecting donors (hotels, restaurants) with potential receivers (charities, individuals in need).
- 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.
- Integrated Material-UI for a responsive design and utilized JavaMailSender to send email notifications to users regarding available donations.

Severity Calculation of Tar Disease || GitHub

Accepted at the 9th International Conference for Convergence in Technology (I2CT)

April 2024

- Created a deep learning model to accurately assess the severity of tar disease in sorghum crops, enhancing early detection and prevention strategies.
- Utilized convolutional neural networks (CNNs) to process and analyze image data of affected crops, significantly improving detection accuracy.
- The project aimed to provide a reliable tool for farmers and agricultural professionals to manage and mitigate crop diseases more effectively.

Semantic Segmentation and Tone Mapping || GitHub

Project Collaborated with Samsung

- Developed a sophisticated tone mapping algorithm to enhance visual quality under various lighting conditions, particularly for images with high dynamic range (HDR).
- Implemented semantic segmentation using PyTorch and ResNet-101 to accurately identify and process different regions in images, ensuring optimal tone mapping for each segment.
- The project focused on improving image clarity and detail, particularly in challenging environments such as low-light or overly bright settings.

Land Buying and Selling Using NFT Token || GitHub

Blockchain Project

- Designed and developed a blockchain-based platform that facilitates secure and transparent land transactions through the use of NFTs (Non-Fungible Tokens).
- Implemented smart contracts to automate and streamline the buying and selling processes, reducing the need for intermediaries and ensuring secure transactions.
- The platform aimed to revolutionize the real estate industry by providing a tamper-proof and decentralized solution for property ownership transfers.