

K G SHREYA

Third Year B. E Student

Computer Science and Engineering

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ACADEMIC DETAILS

Year	Degree	Institute	Percentage/CGPA
2022-Present	B.E in Computer Science and Engineering	Alva's Institute of Engineering and Technology Mangalore	CGPA = 9.29/10 TOP 8 IN 5TH SEM
2021	Class XII STATE-KSEEB	MES Chaitanya PU College Sirsi	97.11% 95.17% in Mathematics
2019	Class X STATE-KSEEB	Shri Marikambha Government High School ,Sirsi	98.56% 96%in Science,97%in Mathematics

WORK EXPERIENCE

National Remote Sensing Center (NRSC, ISRO) | Research Intern 2024 (Earth and Climate Senses Area)

- Utilized NLP techniques to extract lightning strike data from online news articles.
- Implemented Machine Learning Algorithms to enhance data extraction accuracy.
- Developed an application to visualize lightning locations using Geocoding.
- Integrated AI-driven methods to automate data extraction and map generation.

Indian Institute of Information Technology (IIIT Allahabad) | Project Intern 2023

- Utilized CNNs for image de-fogging in foggy or hazy conditions.
- Employed regression techniques to estimate and reverse fog effects.
- Enhanced image visibility and quality using advanced computer vision.
- Integrated deep learning and traditional methods for optimal de-fogging.

Salesforce | Salesforce Virtual Internship 2023

- Developed and customized Salesforce applications to improve client CRM solutions.
- Integrated Salesforce with external systems using APIs to streamline data and operations.

PROJECTS

EXTRACTION OF LIGHTNING LOCATIONS USING NLP TECHNIQUES

FROM E-NEWS AND MAP GENERATION

Mr. Syed Shadab (SE) and Dr. Jayashree(SF)

Machine Learning and NLP Techniques

Scientist / Engineer @ NRSC, ISRO

The project "Extraction of Lightning Locations Using NLP Techniques from E-news and Map Generation" involves using Natural Language Processing (NLP) to analyze online news articles for information about lightning strikes. Extracted data is then used to generate maps, providing visual representation of lightning locations for better understanding and analysis.

IMAGE DEFOGGING USING DEEP LEARNING

Prof. Rajesh Bulla and Dr. Nani Babu

Image Defogging using Deep Learning Models

IIIT Allahabad & IIT Guwahati

Image de-fogging using deep learning and machine learning techniques is a cutting-edge computer vision task aimed at enhancing the visibility and quality of images captured in foggy or hazy conditions. Deep learning models, such as convolutional neural networks (CNNs), and traditional machine learning techniques like regression is employed to estimate and reverse the fog's effects.

AIRWAYS RESERVATION MANAGEMENT

Dr. Mohideen Badhusha

Airways Reservation Management Web Application

Professor @AIET, Mangalore

Airways Reservation Management is a dynamic website built using PHP and MySQL. It enables users to book and manage flight reservations online. The system stores flight details, user information, and booking records in a MySQL database.

TECHNICAL SKILLS

Programming Languages: C, C++, Python, Java

Web Development: Javascript, Typescript, ReactJS, Springboot, NextJS, PHP, ExpressJS, Django

Database Management Systems: MongoDB, PostgreSQL, MySQL

Machine Learning: Scikit-learn, Numpy, Pandas, Matplotlib

Blockchain: Solidity, EthersJS, Hardhat, Web3JS, Metamask

RESEARCH / PUBLICATIONS

Neural Network Based AI for Speech Recognition:

This review paper, was presented at **Prince College in Chennai** and published in a journal. It explores advancements in neural network-based AI for speech recognition, focusing on the effectiveness of CNNs and RNNs in enhancing accuracy. The paper discusses challenges, future directions, and provides a comprehensive overview of current methodologies and innovations.

COMPETITONS / WORKSHOPS

- 1st Runner-up of the **Hack for Hire Hackathon** conducted by **PESITM** college at Shivmogga.
- Successfully completed the **Internship** from IIT Allahabad on Machine Learning and Deep Learning.
- Attended the **Second International Conference on Data Analytics and Learning 2022 (DAL'22)**.
- Attended the **Y20 Workshop on Cybersecurity** in India, Opportunities and Challenges 2022 (**Y20**).
- Attended the Workshop on Robotics Process Automation (**RPA**) 2023.
- Attended the Workshop on **Cybersecurity and Internet Safety** 2023.

ACHIEVEMENTS

- **KARNATAKA STATE RANK 9:** Secured the 9th Rank (98.56%) in the SSLC Examination conducted by the Karnataka State Board of Examination 2019.
- **NATIONAL JUNIOR LEVEL DRSHYAKALE COMPETITION:** Secured 3rd Place (State Level) and got selected to National Level Competition in Bhopal 2018.
- **CERTIFIED FULL STACK DEVELOPER:** Certified as a Full Stack Developer through Coursera, proficient in both front-end and back-end technologies 2023.
- **SECURED THE 1ST PLACE IN PROJECT PRESENTATION:** The project presentation focused on deep learning concepts, showcasing innovative applications and advancements in the field. It secured the 1st place, highlighting the project's significance and the presenter's expertise in the subject matter.
- **1ST RUNNER-UP OF HACK TO HIRE HACKTHON:** Participated in the Hack to Hire Hackathon and secured the 1st Runner-up position and secured the internship opportunity from the company **ONESHELL SOLUTIONS PRIVATE LIMITED**

POSITION OF RESPONSIBILITIES

- Member of the **Department Club** team since May 2023. Maintain over 12 guest, 10 events' and around some IT services, like authentication, mailing, directory service, internet access, course management, remote client management.
- Served as a **Student Mentor and Coordinator** for the Reader's Club of Alva's. Helped them get acquainted with the college studies and environment.
- Served as a **Student Guide** in Alva's Pragati which took place in Alva's College, Moodbidri (2022).