Prasanna Kumar

+91 9045487961   prasannakumar.26@outlook.com   LinkedIn

Objective

A motivated and dedicated computer science professional with a strong foundation in software development, machine learning, and web development. Seeking to leverage technical skills and academic knowledge to contribute to innovative projects and solutions. Committed to continuous learning and excellence in collaborative team environments and helping achieve personal and organizational goals.

Education

- **Masters of Technology (Research), CSE-IS Surathkal, Karnataka**   7.86 CGPA
  National Institute of Technology Karnataka   2023 – Pursuing

- **Bachelors of Technology (Computer Science and Engineering) Dehradun, Uttarakhand**   72.7%
  Uttarakhand Technical University, Dehradun   2018 – 2021

- **Diploma (IT) Kashipur, Uttarakhand**   71.10%
  UBTER, Roorkee   2018

Skills

Programming: C, Java(Spring, Springboot), Python(Flask, Pandas, TensorFlow), HTML/CSS, JavaScript, SQL
Miscellaneous: Linux, Microsoft Office, Git
Soft Skills: Time Management, Teamwork, Problem-solving, Documentation

Projects

Gastrointestinal Abnormalities Detection:

- Experimental automated system for Wireless Capsule Endoscopy image analysis, where we have classified the images into 7 categories: Normal, Ulcer, Polyps, Esophagitis, Bleeding, Angiectasia, Erosion.

- **Technical Skills:** Python, VGG-16, CNN, AdaBoost.

- **Soft Skills:** Leadership, Teamwork, Time management.

Scheduling Algorithm:

- Task scheduling based on earliest deadline first was implemented and if the system fails to process then migration of task was carried out to the other system in the network.

- **Technical Skills:** Python.

- **Soft Skills:** Report writing.

Skin Disease Detection:

- Analysis of skin disease from 2000 data samples collected using various sources and categorized them into 4 classes: ringworm, measles, psoriasis, and melanoma.

- **Technical Skills:** Python, MobileNet, CNN.

- **Soft Skills:** Teamwork, Presentation skills, Report writing.

Covid-19 Tracker:

- A SPA that was built using the Flask framework to keep track of the spread of COVID-19 cases in India. The data was taken from the government website using web scraping and then graphically represented.

- **Technical Skills:** Python with Flask, HTML/CSS.

- **Soft Skills:** Presentation skills.

Internship / Workshops

- Java training: Spring- IOC/MVC/BOOT - Beta Edge Innovations   Dec 2021 – March 2022
- Web development training - Nanhi Pari Seemant Engineering Institute   March 2020 – Sept 2020
- AWS technical essentials and architecting - Ethnus   June 2020
- Xamarin mobile application development - Sarya Technology   Jan 2018
- Web development & SEO Executive - Incrementors Web Solutions Pvt. Ltd.   July 2017 – Aug 2017

Achievement

- 2023 Graduate Aptitude Test in Engineering (GATE) India.

- 2019 Silver developer at virtual lab bootcamp held at IIT Roorkee India.

- 2018 Volunteer the zonal level sports event held at Govt. Polytechnic Kashipur.