



# Prasanna Kumar

Roll No.:233IS002

M.Tech (Research)

Computer Science and Engineering

National Institute Of Technology, Karnataka

+91-9045487961

prasannakumar.26@outlook.com

prasanna.233is002@nitk.edu.in

Leetcode | Website

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

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
M.Tech	National Institute Of Technology, Karnataka	7.86	2023-Present
B.Tech. (CSE)	NPSEI, Uttarakhand Technical University	72.7%	2018-2021
Diplome (IT)	UBTER	71.1%	2018

## SKILLS

- **Programming:** C, Java(Spring, Springboot), Python(Flask, TensorFlow), HTML/CSS, JavaScript, SQL
- **Miscellaneous:** Linux, Git, Microsoft Office
- **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.*

- **Tools & technologies used:** 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.*

- **Tools & technologies used:** 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.*

- **Tools & technologies used:** 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 represen*

- **Tools & technologies used:** Python with Flask, HTML/CSS
- **Soft Skills:** Presentation skills

## INTERNSHIP / WORKSHOPS

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

## ACHIEVEMENTS

- 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.