

# K Sree Charan

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[LeetCode](#) | [CodeChef](#) | [codolio](#) | [Portfolio](#)

## EDUCATION

- Lovely Professional University - July 2022** Punjab, India
  - Bachelor of Technology - Computer Science; GPA: 7.27*
  - Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases*

## SKILLS SUMMARY

- Languages:** Python, R, C++, JavaScript, SQL, Bash, JAVA
- Frameworks:** Data Visualization, Data Analysis, SpaCy, TensorFlow, Keras, Django, Flask
- Tools:** Kubernetes, Docker, GIT, PostgreSQL, MySQL, SQLite, Tableau, Power-Bi
- Platforms:** Linux, Arduino, Raspberry, AWS, GCP, Alibaba Cloud, IBM Cloud
- Soft Skills:** Leadership, Event Management, Statistics, Public Speaking

## EXPERIENCE

- Teachnook - May 2023** Remote
  - Student Developer (Part-time)*
  - Developed a machine learning model:** to predict which customers are likely to accept personal loan offers. Will help banks to optimize their future campaigns by 90 and improve conversion rates.
  - Implemented a **Bagging Classifier**, achieving Accuracy: 98% , Precision: 97% , and Recall: 84% .
- Data Camp - December 2023** Remote
  - Instructor (Part-time, Contractual)*
  - Project Course - Find Movie Similarity from Plot Summaries:** Created project based course using Unsupervised learning and natural language processing.
  - Tutorial - Introduction to Reinforcement Learning:** Created tutorial for Q-learning RL algorithm and concepts.
  - Impact:** Course has been taken by 250+ students so far with 4.65 average rating.

## PROJECTS

- Reinforcement Learning based Traffic Control System (Reinforcement Learning, Computer Vision):** AI model to resolve city traffic around 50% faster. Tech: Python, Alibaba Cloud, Raspberry Pi, Arduino, SUMO & OpenCV.
- Panorama from Satellite Imagery using Distributed Computing ( Image Processing):** Images clicked using drones, provided by ISRO were stitched together using public compute nodes, effectively bringing down processing time exponentially. Tech: PHP, C++, Java, Python
- Drag-n-drop machine learning learning environment (Web Development, Machine Learning):** Scratch like tool for implementing machine learning pipelines along with built in tutorial for each concept. Tech: Python, JavaScript
- Health Buddy :** AI-powered MERN stack web app with Streamlit, Selenium, Beautiful Soup, and implemented a 14-Layer Deep CNN for disease prediction showcasing Accuracy: 99 , Precision: 95 , Recall: 90
- Developed **Study Buddy** , a platform with 10+ features including AI-driven coding challenges, mock interviews, and resume-building tools, impacting 5,000+ users

## VOLUNTEER EXPERIENCE

- Community Lead at Developer Student Clubs NSEC - Jan 2024** Jalandhar, India
  - Conducted online and offline technical & soft-skills training impacting over 3000 students.*
- Event Organizer at Google Developers Group Jalandhar- March 2023** Jalandhar, India
  - Organized events, conducted workshops and delivered workshops reaching over 7000 developers.*

## HONORS AND AWARDS

- Hackathon Champion:** Converted Innovative Ideas into Reality in 6+ Hackthons (2 State-Level, 4 College-Level)
- Earned 1st prize in the **Code-a-Haunt** Hackathon
- Cleared 3 rounds of competition and stood among top 4 finalists and got **best ideation** award along with the cash prize.
- Earned 1st prize in the **Code Carva 2.0** connduted by **Love Babber**.
- Runner's Up at **Geeksforgeeks Developers** Circle Hackathon - August, 2017