

Sai Jeevan Puchakayala

✉ saijeevan2002@gmail.com ☎ +91 7288961100 in [linkedin.com/in/saijeevanpuchakayala/](https://www.linkedin.com/in/saijeevanpuchakayala/)

🐙 github.com/SaiJeevanPuchakayala 🖱 saijeevanpuchakayala.github.io

👤 PROFILE

A high-performing, goal-oriented, and data-driven individual who is determined and ambitious about learning new technologies to build things that end up living on the internet and rely heavily on statistical rigor to support decisions and hypotheses. Having a penchant for Python Development and Data Science, much of my career has revolved around developing and building data-driven products that help businesses to improve.

🎓 EDUCATION

Bachelors of Technology in Electrical and Computer Eng.

Amrita Vishwa Vidyapeetham 🔗

CGPA: 8.4

07/2019 – Present

Kollam, India

Board of Intermediate Education

Sri Chaitanya Jr. College

GPA: 9.3

05/2019

Khammam, India

Board of Secondary Education

Gorkey Public School

GPA: 10.0

05/2017

Khammam, India

👛 PROFESSIONAL EXPERIENCE

Python Developer

RedCarpetUp (Internship) 🔗

A Y Combinator 2015 startup trying to disrupt lending and credit in India.

Key Responsibilities:

- Working on modelling the Flask/FastAPI/PostgreSQL/Redis architecture for performance and scalability.
- Developing the appropriate mobile/web-based APIs on Flask/FastAPI with high performance and security.
- Working with various SDKs (AWS, Google ML, Firebase, OCR, etc.)
- Participating in code reviews, automation, and functional testing.

06/2022 – 10/2022

Gurgaon, India

Python Developer

Paprrclip (Internship) 🔗

A financial content discovery platform enables retail traders and investors to make smarter investment decisions.

Key Responsibilities:

- Integrating user-facing elements developed by front-end developers with server-side logic.
- Creating database schemas to represent and support business processes.
- Design and implement high-availability, low-latency, and performant applications.
- To scrape data from different websites and bypass web security for data extraction.

05/2021 – 12/2021

New Delhi, India

Summer Student

EEML 🔗

The Eastern European Machine Learning (EEML) summer school is a European summer school that deals with core topics of machine learning and artificial intelligence. The summer school constitutes comprehensive lectures from researchers at Google, DeepMind, Facebook, Massachusetts Institute of Technology, and McGill University.

07/2021

Hungary, Europe

Student Member

Robotics Club Amritapuri 🔗

A club from the EEE Dept of Amrita School of Engineering that makes students ready for the robotics industry by giving training, exposure, and networking opportunities.

01/2021 – 02/2021

Kollam, India

❤️ AREAS OF INTEREST

Machine Learning, Web Development, Data Analytics, REST APIs, Web Scraping, Automation and Devops.

SKILLS

Languages: Python, JavaScript, C.

Frameworks: Flask, NodeJS, Express, Django.

Cloud Infrastructure: Heroku, AWS.

Database: PostgreSQL, MySQL, MongoDB, Redis (Caching).

Tools & Technologies: VSCode, Postman, Jupyter Notebooks, Git, Docker.

Operating Systems: macOS, Linux, Windows.

Web: HTML5, CSS3, Bootstrap.

Libraries: Pandas, NumPy, Sklearn, Tensorflow, OpenCV, Selenium, Requests, Keras.

PUBLICATIONS

Machine Learning-Based Crop Prediction: A Way Towards Smart Farming

2022

IEEE

A research paper submitted to a conference named Parallel, Distributed and Grid Computing(PDGC) 2022, got accepted for ORAL Presentation and will be published soon on IEEE Xplore.

PROJECTS

Sign Language Sentencer

A Deep Learning(CNN) based application that can recognize American sign language and convert signs into English alphabets. This application is equipped with a Tkinter GUI on which the English alphabets of the real-time recognized signs are displayed, and words and sentences are displayed in real-time with continuous sign recognition.

Cryptocurrency Screener

A web app created to have a glance over the real-time trends of cryptocurrency, and this will simplify things for cryptocurrency enthusiasts. This Screener is equipped with a curated Real-time Price Screener, Stats Table, and top News Viewer from various sources in a simple, focused format.

E-Cashier

A payment book application designed to maintain customers' payments and their purchases. A retailer will be an admin of the application, and each customer of the retailer's shop will be a user.

Diabetes Risk Calculator

An End-to-End Data Science project which can predict whether a person has diabetes, or not, based on information about the patient such as blood pressure, body mass index (BMI), age, etc.

CERTIFICATES

Data Science in Python ((Aug 2020) issued by DataCamp.)

Neural Networks and Deep Learning ((Jul 2020) issued by Coursera.)

HTML, CSS and Javascript for Web Developers ((May 2020) issued by Coursera.)

Programming for Everybody (Python) ((Apr 2020) issued by Coursera.)

VOLUNTEER WORK

Awareness on Career Guidance and Emerging Technologies for Secondary School students - 2021

I was one of the volunteers team of 5 people who delivered a seminar on Career Guidance and Emerging Technologies to create awareness for Secondary School students of a government school located in the countryside of a district in the Telangana state of India. This work is done as a part of the Student Social Responsibility project program of Amrita Vishwa Vidyapeetham.

LANGUAGES

English (Listening, Reading, Writing, and Speaking)

Telugu (Listening, Reading, Writing, and Speaking)