

SHIVANIRUDH S G

International Institute of Information Technology, Bangalore

☎ (+91)9445435407 ✉ Shivanirudh.SG@iiitb.ac.in 🔗 [linkedin.com/in/shivanirudh-s-g](https://www.linkedin.com/in/shivanirudh-s-g) 🐙 github.com/Shivanirudh

Education

International Institute of Information Technology, Bangalore <i>M.Tech in Computer Science and Engineering, Specialization in AI/ML</i>	July 2023 – Present 3.65/4.0
SSN College of Engineering <i>B.E. in Computer Science and Engineering</i>	August 2018 - June 2022 9.408/10.0
P.S.Senior Secondary School <i>Class XII</i>	June 2018 95%

Experience

Everwell(Spinout from Microsoft Research India) <i>Summer Intern</i>	May 2024 – July 2024
<ul style="list-style-type: none">Integrated LLMs into Nikshay (the Indian national platform for tuberculosis) to help enroll and track patients.Improved efficiency by developing a Chrome extension that extracts data from EMRs and prefills form.	
Mad Street Den <i>Junior Machine Learning Engineer</i>	July 2022 – June 2023
<ul style="list-style-type: none">Worked with various international clients to develop customized solutions for their respective use cases.Developed solutions using data and models to handle domains ranging from fashion to home appliances and cosmetics.	
Mad Street Den <i>Machine Learning Intern</i>	February 2022 – June 2022
<ul style="list-style-type: none">Worked with a retail client in order to facilitate their e-commerce workflow.Gained experience with real world data, models and the thought processes behind them.	

Mentorship

Teaching Assistant <i>Machine Learning</i>	July 2024 – December 2024 IIIT Bangalore
<ul style="list-style-type: none">Interactive teaching sessions with students on various topics in Machine Learning	

Projects

Course Projects

Artificial Pancreas <i>Python</i>	September 2024-Present
<ul style="list-style-type: none">Developing a RL-based control algorithm for incorporating with an artificial pancreas deviceExploring various dynamic control strategies to maximise comfort for the person wearing the device	
Soft Actor Critic Variation <i>Python</i> 🐙	April 2024
<ul style="list-style-type: none">Combines the Soft Actor Critic algorithm with safety constraints and domain knowledge.Achieved promise for a more robust algorithm by testing on the Pendulum environment	
Gitgaming <i>Python, React JS</i> Frontend: 🐙 Backend: 🐙	November 2023
<ul style="list-style-type: none">A web application built with Devops principles that simulates games such as Minesweeper and Flappy Bird.Uses Flask for backend, React JS for frontend and GitHub Actions for CI/CD operations.	
University Finance Portal <i>Java Springboot, React JS</i> 🐙	November 2023
<ul style="list-style-type: none">A web application that simulates the usage of faculty logging in and perform financial transactions, built using Springboot and ReactJS	

Personal Projects

Auto Prompt Generator <i>Python</i>	March 2024 – Present
<ul style="list-style-type: none">Deep Learning model that generates prompts for tasks, which can be tweaked with feedback.Uses ChatGPT as a blackbox to learn from.	

Flight Delay Prediction | *Python*

July 2020

- Machine Learning project to predicts delays and amount of delay in flights, written in **Python**.
- Performs comparison amongst various classifier and regressor models for both the tasks.

Voice App Launcher | *Python*

May 2020 - July 2020

- Application that works like an app launcher to launch apps in response to vocal commands.
- Written in **Python**, it converts audio to text to understand instructions.

Interpreter | *C++*

Jan 2018 - Feb 2018

- Program that mimics the basic functionality of an interpreter that works on a self written language, written in **C++**

Publications

Exploring Bayesian Uncertainty Modeling for Book Genre Classification |

June 2022

- Accepted to IEEE International Conference on Industry 4.0, Artificial Intelligence, and Communications Technology (IAICT), 2022

FillFast: An AI-Powered Tool for Health Data Entry

August 2024

- Chrome extension built as part of summer internship at Everwell Health Solutions., deployed at two hospitals in Bangalore.
- Submitted to IndiaHCI

Technical Skills

Languages: Python, C++, C, Java, JavaScript, HTML, CSS, Bash

Tools/Libraries: PyTorch, Tensorflow, OpenCV, Flask

Technologies/Frameworks: Linux, Jenkins, Git, ReactJS

Relevant Coursework

- | | | |
|----------------------------------|-----------------------------------|--------------------------|
| • Data Structures and Algorithms | • Software Production Engineering | • Reinforcement Learning |
| • Software Systems | • Machine Learning | • Few-shot Learning |
| • Enterprise Software Design | • Math for Machine Learning | |

Extracurricular

Zense

August 2023 – Present

Member

- Open source club of IIIT Bangalore
- Working on a project called **Raaga.ai** which is a Deep Learning model that aims to classify the raaga of a particular Carnatic music piece from audio.

Certifications

- Basics of Machine Learning | Google
- Deep Learning Specialization | Coursera
- Tensorflow Specialization | Coursera
- Applied Natural Language Processing | NPTEL
- Data Analytics with Python | NPTEL
- Getting Started with Competitive Programming | NPTEL