

Likith S G

SWE

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SUMMARY

I am a motivated sophomore at RV University, passionate about computer science and engineering. With a solid foundation in programming, algorithms, and software development. My quick learning ability and knack for picking up new technologies allow me to thrive in fast-paced environments. Known for strong problem-solving skills and a proactive approach, I excel in collaborative settings and am eager to bring fresh perspectives and innovative solutions to the field of computer science.

SKILLS

Programming Languages C, C++, Java, Python

Web Development Web Design, HTML, CSS, JS

Data Analysis and Analytics Data Analysis, Analytics, Jupyter Notebook

Machine Learning and Algorithms Machine Learning, Algorithms, Computer Vision

Hardware RP2040, Microcontroller programming

Extracurriculars Public Speaking, Debate, Leadership, Critical thinking, Reflective Thinking

EXPERIENCE

Data Analyst

Apr '24 — Apr '24

Accenture North America

- Accenture North America Data Analytics and Visualization Job Simulation on Forage.
- April 2024 Completed a simulation focused on advising a hypothetical social media client as a Data Analyst at Accenture. Cleaned, modelled and analyzed 7 datasets to uncover insights into content trends to inform strategic decisions. Prepared a PowerPoint deck and video presentation to communicate key insights for the client and internal stakeholders.

Software Engineer Intern

Apr '24 — Apr '24

JPMorgan Chase & Co

- J.P. Morgan Software Engineering Virtual Experience on Forage - April 2024.
- Set up a local dev environment by downloading the necessary files, tools and dependencies. Fixed broken files in the repository to make web application output correctly. Used JPMorgan Chase's open source library called Perspective to generate a live graph that displays a data feed in a clear and visually appealing way for traders to monitor.

EDUCATION

BTech in Computer Science and Engineering, RV University

Bengaluru, India

Pre - University in PCMC, Reva Independent PU College

Aug '21 — Mar '23

Bengaluru, India

School in CBSE, Jain Heritage School

Jun '09 — Mar '21

Bengaluru, India

PROJECTS

1. Dataset Distillation (MPS2)

- Description:** Developed a versatile script supporting multiple datasets (MNIST, Fashion-MNIST, CIFAR-10, CIFAR-100) with early stopping to prevent overfitting. Features a parameterized CNN model and RL agent with SoftMax activation and categorical cross entropy loss.
- Performance:** Achieved 64% test accuracy on MNIST and 31% on CIFAR-10. Demonstrates efficient performance with a low computational load, requiring only 20 minutes of training using an integrated GPU.
- Comparison:** Compared to Gradient Matching, which has higher accuracy but requires 4 hours and significant computational resources. My script offers a more resource-efficient solution with significantly shorter training time.

2. Heart Failures Risk Analysis

- Description:** Data analysis project focused on heart failure risk factors, utilizing a dataset from the ML repository lab. The project involves identifying major and minor risk factors, performing comprehensive data cleaning and preprocessing, and generating visualizations for insightful inference.
- Technologies Used:** Python (for data analysis, cleaning, preprocessing, and visualization).

3. Smart Energy Monitoring System

- Description:** An IoT-based energy monitoring system designed to enhance power efficiency by tracking power consumption at the appliance level. Features real-time data monitoring for each appliance and achieves an accuracy of 89%.
- Technologies Used:** C++, Blynk IoT app, Wi-Fi - enabled hardware. Assists in identifying the cause of high power consumption and is currently under patent drafting.