**Ajay S Patil**

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**Student Research Intern**

Talented ML Practicing student seeking to get a student research intern role.

**Work experience**

**Student teaching assistant for Web technologies.**

RV University

March 2023 – Jul 2023

I was the teaching assistant for the course Introduction to web technology taught by our Head. As I

was already experienced in Web technologies like HTML, JavaScript, CSS, Python and Flask. I

was chosen to be course Teaching Assistant.

**Student teaching assistant for linear algebra**

RV University

Mar 2023 - Jul 2023

I was also the teaching assistant for the course linear algebra taught by Dr.Hongray. As I was already good at ML and DL concepts related to linear algebra like Regression, Gradient descent, Principal component analysis, matrices etc. And, python programming I am really fluent so, I was chosen to be course Teaching Assistant.

**Education**

**B.Tech(H) Computer Science and Engineering.**

RV University

* Majoring in Computer science and engineering with honors in Machine learning

Aug 2023 - Present

**High School(Science)**

S.B.R Public School and College

2009-2021

(Class 12) Graduated with a 75%.

Course : Science (Physics / Chemistry / Math / Computers) (Class 10) Graduated with : 86%.

Courses : (Core) Science, Mathematics, Social Studies, (Languages) English, Kannada, Hindi.

**Courses**

**IOS Development Bootcamp**

Udemy

When I was in class 10th I got interested with IOS devices & Apple echo system and as I was already good at programming at that time with C++, C, Python, Web Frameworks. It was an easy way for me to get started with IOS Development with Swift and SwiftUI and on Udemy I completed this course successfully.

**Machine learning specialisation**

Coursera (Stanford University)

Started my machine learning journey when I was in 10th learnt python programming, data analysis, python’s machine learning frameworks like: Tensorflow, Keras, PyTorch, Numpy, Pandas and others. By the end of my high school years I was strong with ML basics and in my university period I started doing specialisation course by Stanford University on Coursera taught by Andrew Ng.

**Skills**

Fluent in Python programming - 5/5 (Syntax, Loops, Conditionals, Functions, Classes, Libraries, Data structures(lists, tuples, dictionaries, sets).

Python’s ML frameworks - 4/5 (Tensorflow, SciKit Learn, PyTorch, Numpy)

Data analysis frameworks - 4/5 (Pandas, Matplotlib, Seaborn)

Machine learning algorithms - 4/5 (Regression, Classification, Clustering, K-means, Random forest, Neural networks, Decision trees and more) Can apply for real life models.

Math for Machine Learning - 3.5/5

Linear algebra(4/5) Calculus(3/5) Statistics(4/5) Probability(4/5)

Discrete mathematics(5/5)

**Other skills**

IDE’s : Jupyter notebook, PyCharm IDE.

Version Control System : GitHub.

OS : Linux & Mac.

Web : HTML, CSS, JS, Node, Django, Flask.

Research fields : Learning algorithms, Computer vision, Natural Language Processing.

Other interests : Quantum computing, Computational photography, UX-UI Designing.