ROHAN BADWE

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Hi, I'm **Rohan**. I'm in last semester of my undergrad majoring in computer science. I'm a fluent fullstack developer with a great deal of experience with machine learning applications . I'm also undergoing AWS training and would ideally like to work on complex backend systems as a jr developer

EDUCATION

Pune University, Vishwakarma Institute of Technology	Aug 17– May 21
Bachelor of Technology, Computer Engineering	CGPA : 9.14 /10

EXPERIENCE

Software Engineering Research Intern ,Persistent Computing Institute   Dec 19- Jan 20

- The objective was to explore scope of functional programming   and compare with OOP paradigm using gofer and haskell
- Built a **Project -Batch OS simulation in C++** - A C++ command line application for visual simulation of memory management concepts and inner workings of an OS
- Acquired familiarity with program analysis and optimization, tools for program analysis, compilers and current research in computer science

Software Development Lead, Cube Satellite team , Trident Labs   Aug 19- May 20

- Co-founder of the software wing of the satellite club. Tested and customized multiple RTL-SDR software solutions for satellite ground station
- Designed and Programmed onboard computer demo using off the shelf sensors and microcontrollers

PROJECTS

Mathbot (NLP) : Simple Mathematical Word Problem Solver using Deep learning   Aug 20– Jan 21

- A bot in python to solve math word problems in english and demonstrate the current limitations of neural networks
- used transformer based and RNN based models for improving accuracy

Automatic Text Summarization (NLP and deep learning)   Jan 20 -May 20

- Web App using NLP (Natural Language Processing) and Deep Learning models for making consumer decisions faster and accurate
- The app scraped reviews from amazon ran it through a pre-trained RNN model and gave summaries for each review and an overall rating of the product

Image Classification and matching using Convolutional Neural Network   Jan 19 - May 19

- A "reverse image search engine " (eg google images) Flask Web App using a CNN classifier trained with cifar-10 database

SKILLS

Relevant Coursework	Calculus , Automata Theory , Data Structures , Compiler Design , Discrete Mathematics , Operating Systems , DBMS ,Algorithms , Computer Networks , Software Engineering, Image Processing
Technologies	**Amazon Web Services (AWS)** Associate Architect Training – ongoing , JAVA, C++ , Python 38 ,SQL ,Linux , bash , Web development , Flask API ; Machine Learning : Recurrent LSTM, CNN, Tensorflow, Keras API, Transformer models