

Ved Prakash

PORTFOLIO LINK

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EDUCATION

UNIVERSITY OF HYDERABAD

M.TECH IN INFORMATION
TECHNOLOGY

CGPA - 7.6 (till 3rd semester)
June 2018 - June 2020 | HYD, IN

SCALER ACADEMY

IMMERSIVE SOFTWARE DEV.
PROGRAM

Jan 2020 - Current | Bangalore, IN

ABES EC

B.TECH IN INFORMATION
TECHNOLOGY

Aug 2013 - July 2017 | GZB, IN

SKILLS

PROGRAMMING

C • C++ • HTML5 • CSS3 • Javascript •
HTML5-Canvas • ExpressJS • Phaser3 •
VIS.JS • SQL

COURSEWORK

CORE COMPUTER SCIENCE

Data Structure and Algorithms
Operating System
Computer Networks
Database Systems
Compiler Design

INDEPENDENT

CS231N Convolutional Neural
Network(stanford)
Introduction To Algorithms(MIT 6.006)
COMPSCI224 Advanced Algorithms
CS377 Operating Systems(MIT)

ACHIEVEMENTS

CODING ACHIEVEMENTS

Ranked in **top 3% among 10000+** coders
appearing for Scaler Academy Test in an
invigilated environment by InterviewBit

97 percentile in Gate-CS/IT 2019/2018
among **190k+** students

Qualified Google Code Jam 2020

TECHNICAL PROJECTS

POTHOLE DETECTION USING DEEP CNN

- Applied state of the art object detection algorithms for localisation and detection of potholes
- Achieved best accuracy of **99.8%** by applying Mask RCNN over Pothole images dataset
- Proposed a new architecture for memory constrained devices

TRAVEL PLAN VISUALIZER GITHUB | DEMO

- Developed a travel application using Javascript where using can find shortest path from a source and a destination.
- Implemented Single Source Shortest Path finding algorithms and visualized using VIS.JS

SPLITWISE CASHFLOW MINIMIZATION GITHUB | DEMO

- Reduced total number of transactions between a group while maintaining consistency
- Achieved minimum flow using max-heaps and Visualised the result by deploying in javascript application

CHATLIST BACKEND ALGORITHM GITHUB | DEMO

- Developed an **LRU Cache** based implementation for backend of chat application
- Developed UI for chatlist and deployed in javascript application

FILE ZIPPER : APPLICATION AND VISUALIZER GITHUB | DEMO

- Implemented Huffman Encoding on a text file for lossless compression and decompression of a file
- Developed a visualizer which in real-time shows the encoding and decoding of file using Javascript in VIS.JS

EXPERIENCE

GRADUATE TEACHING ASSISTANT | UNIVERSITY OF HYDERABAD, MAY 2019-PRESENT | HYD,IN

- TA of Advance Operating Systems(AOS-401) (June2019-December 2019)
- TA of Data structures and Algorithm Lab(DSP-404) (Jan2020- current)
- Checked assignments, proctored tests, and provided grades according to university standards.