

# ASHIRBAD SARANGI

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Dehradun  
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DOB : 4<sup>th</sup> October, 2000

*Computer Science Engineer & Research Enthusiast*

## OBJECTIVE

To constantly discover and innovate methods for implementing the acquired knowledge.

## PROJECTS

### 1. Password Manager Package in Linux

A command line interface for managing passwords in a very secure and secret manner in the open source environment of Ubuntu 20.04.

### 2. Analytic Hierarchy Process (AHP) Algorithm library in C++

A library to compute the output of AHP ( a Multi Criteria Decision Making [MCDM] and ML algorithm ) in seconds which otherwise takes hours to do with precision and accuracy.

### 3. Automated CV Selector ongoing under Project Phase-II

An automated system to select a best candidate from a list of Curriculum Vitae of interested candidates.

### 4. Tour Planner ongoing under Project Phase-II

A recommending engine which will recommend an optimal tour route given the budget and time duration of the travel.

## RESEARCH & PUBLICATIONS

### 1. A Hybrid Recommender System: Uniqueness of Choices by Using Machine Learning Technique

Digital Conversion on the Way to Industry 4.0,  
Springer Nature Switzerland AG 2021  
([https://doi.org/10.1007/978-3-030-62784-3\\_1](https://doi.org/10.1007/978-3-030-62784-3_1))

### 2. Integration of Artificial Intelligence and Human Life

International Journal of Scientific Research in Computer Science Applications and Management Studies ( IJSRCSAMS)

([http://www.ijsrscsams.com/images/stories/Past\\_Issue\\_Docs/ijsrscsamsv8i5p17.pdf](http://www.ijsrscsams.com/images/stories/Past_Issue_Docs/ijsrscsamsv8i5p17.pdf))

### 3. Development of an Integrated Hybridized Algorithm involving AHP and Machine Learning for Automobile Selection

Computers and Industrial Engineering , Elsevier  
(Communicated and Under Review)

## SKILLS

Python

C++

OOP

C#

C

Softcomputing, AI  
and ML Algorithms

Shell  
Scripting

Unix

SQL

Windows

## ACHIEVEMENTS

- ✓ Qualified [GATE – 2021 \(CS\)](#) ,  
[CDS – 1](#) and [AFCAT – 2](#) in 2021.
- ✓ Presented three research papers at  
different Conferences, Seminars  
and Symposiums.
- ✓ Awarded a [Runner's Up](#) prize at a  
university level [speech](#)  
[competition](#).
- ✓ Awarded a [Distinction](#) in [Tabla](#)  
[Third Year Exam](#) from the [Akhil](#)  
[Bharatiya Gandharva](#)  
[Viswavidyalaya](#).
- ✓ Currently serving as Student  
Representative for [Student Welfare](#)  
[Cell](#) and [Grievance Redressal Cell](#)  
for the Tech Department of the  
ICFAI University, Dehradun.
- ✓ Developed the official website of  
ICFAI University, Dehradun along  
with a team.

## EDUCATION

**B.Tech ( CSE )** 2018 - Pursuing  
ICFAI University, Dehradun  
**CGPA : 9.44** ( by the end of 3<sup>rd</sup> Year )

**12<sup>th</sup> Class** 2018  
St.Xavier's High School, Kedargouri  
**Percentage : 84.8%**

**10<sup>th</sup> Class** 2015  
St. Xavier's High School, Kedargouri  
**CGPA : 10**