

# Avinash Yadav

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## Objective

To pursue my interest in Computer Science and take it to the level where I can make some significant contribution in the field of computer science that helps the masses.

## Interests

- Algorithms and Data Structures
- Web development
- Machine Learning
- Computer Vision
- Data Warehousing

## Education

Degree	Institute	Stream	Year	Performance
B. tech + MBA (3 <sup>th</sup> yr)	<a href="#">Indian Institute of Information Technology, Allahabad[ India ]</a>	Information Technology	2016-21	7.9/10 (up to 5 semesters)
Senior Secondary	<a href="#">B.N.S.D. Shiksha Niketan</a>	<a href="#">UPMSP</a>	2014-15	92.8%
Secondary	<a href="#">B.N.S.D. Shiksha Niketan</a>	<a href="#">UPMSP</a>	2012-13	95.17%

## Achievements (Technical/Academic)

- Participated in Hackathon organized during IIITA HACKS 2017.
- Certification of AngularJS course from Udemy at June, 2018.
- Participated in Computer Science Quiz of Jaipuria Quiz League 2017.
- Expert Answerer(Computer Science) at **Chegg.com**.
- Secured 8th Rank in Secondary School in Uttar Pradesh Madhyamik Shiksha Parishad.

## Major Academic Projects

Title	<b>Real-Time Smart City Map on (Kumbh) Temporal Data</b>	January, 2019 – May, 2019
Description	Android app having features of maps where google maps can't reach such as temporal city like Kumbh, designed for both admin and user side where government (admin) can add/update any protocol which will immediately update firebase server and kml dataset and sends notifications to target users .	

Title	<b>Spark MovieLens</b>	August, 2018 – November, 2018
Description	A system for Movie Recommendation using content-based, collaborative approaches on static dataset with extension over real-time implementing ANN, Cosine correlation, lambda architecture. Cloud Technology is used in this project using Apache Spark.	

Title	<b>Law and Order Automation</b>	March, 2018 – April, 2018
Description	A system which is based on concept of Object Oriented Methodology. This project targets to real life scenario, where a citizen can interact with the police and can find nearest police station, complain or get permission online.	

## Minor Projects

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- **InstantWeather:** Designed a weather forecasting system using Openweathermap API and AngularJS.
- **Counter Strike Game:** A non GUI JAVA based game.
- **Auto Insurance Prediction System:** An Expert System that would help users calculate the yearly premium.

## Relevant Coursework

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- ☒ Image and Video Processing, Computer Vision, Big Data and Data Warehousing , Wireless Networks, Mobile and Wireless Security, Object Oriented Methodology, Introduction to Databases.
- ☒ Introduction to Programming Languages, Data Structures, Algorithms, Artificial Intelligence.
- ☒ Compilers, Computer System Organization, Operating Systems, Computer Networks, Graphics.
- ☒ Software Engineering, Principles of Programming Languages.
- ☒ Principles of Communication, Digital Logic, Principles of Management, Principles of Economics.
- ☒ Mathematics: Combinatorics, Probability, Complex Numbers and Functions, Graph Theory, Linear Algebra, Number Theory.

## Skill Set

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Operating Systems	GNU/Linux, Windows
Programming Languages	C(Moderate), C++(Moderate), Java(Moderate), MATLAB(Basic)
Scripting Languages	Bash(Basic), Python(Moderate)
Internet Technologies	HTML(Moderate), CSS(Basic), Angular(Moderate), Nodejs(Basic), PHP(Basic)
Database Management Systems	MySQL(Moderate)
Frameworks	Flask(Moderate), Django(Basic)
Cloud Technologies	Apache Spark(Moderate)
Other Softwares	OpenGL(Basic), JESS/CLIPS(Basic), Prolog
Programming Environment	vi/vim, Netbeans, Eclipse IDE, Sublime, WebStorm, PyCharm, Android Studio

## Extra-Curricular Activities

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- **Coordinator** of Nirmiti(The Fine Arts Society, IIIT Allahabad from 2018-19).
- **Team Member** for Technical Fest(Aparoksha) and Cultural Fest ([Effervescence'18](#), IIIT Allahabad).
- Secured 1<sup>st</sup> in Graffiti Competition at Annual Cultural Fest of IIIT-A, 2018.
- Secured 2<sup>nd</sup> in Cartoon Making Competition at Cultural Fest, Effervescence, of IIIT-A, 2017.
- Organizer of Face Painting Competition at Cultural Fest, Effervescence, of IIIT-A, 2017.
- Organizer Online Intra College Event "Sketcher".

## Declaration

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I hereby declare that the above information is true to the best of my knowledge.