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 (3th yr)	Indian Institute of Information Technology, Allahabad[India]	Information Technology	2016-21	7.9 /10 (up to 5 semesters)
Senior Secondary	B.N.S.D. Shiksha Niketan	UPMSP	2014-15	92.8%
Secondary	B.N.S.D. Shiksha Niketan	UPMSP	2012-13	95.17%

Achievements (Technical**/Academic**)

- Participated in Hackothon organized during IIITA HACKS 2017**.**
- Certification of AngualarJS 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 Parisad.

Major Academic Projects

Title	**Crowd Activity Classification**	January, 2019 – Ongoing
Description	Implementation of Motion Influence Map Technique for Crowd Activity Classification.Developing a model to classify the crowd activity as normal or abnormal.Technologies which are used in this project are Python, OpenCV, Scikit-learn.	

Title	**Spark MovieLens**	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 corelation, lambda architecture. Cloud Technology is used in this project using Apache Spark.	

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

Minor Projects

- **InstantWeather**: Designed a weaher forecasting system using Openweathermap API and AnjularJS.
- **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

- Image and Video Processing, Computer Vision, Big Data and Data Warehousing , Wireless Netwoks, 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 Engineerg, 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

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

Extra-Curricular Activities

- **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 1st in Graffiti Competition at Annual Cultural Fest of IIIT-A, 2018.
- Secured 2rd 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

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