

Avinash Yadav

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Objective

To pursue my interest in Information technology and take it to the level where I can make significant contribution in the field of Information technology that helps the masses.

Interests

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

Education

Degree	Institute	Stream	Year	Performance
B. tech + MBA (4 th yr)	Indian Institute of Information Technology, Allahabad [India]	Information Technology	2016-21	8.09/10 (up to 6 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)

- Facilitator - Explore ML Academy, Google AI** from July, 2019 .
- Participated in Hackathon organized during IIITA HACKS 2017.
- Certification of AngularJs course from Udemy(June, 2018).
- Expert Answerer (Computer Science) at Chegg.com.
- Secured 8th Rank in Secondary School in Uttar Pradesh Madhyamik Shiksha Parishad.

Major Academic Projects

Title	Real-Time Smart City Map on (Kumbh) Temporal Data	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	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 as web portal using flask and implemented Spark MLlib ALS and cosine correlation. Apache Spark Distributed Processing Technology is used in this project .	

Title	Law and Order Automation	March, 2018 – April, 2018
Description	This project is designed in order to reduce the burden of maintaining bulk of records of all the citizen, criminal and case details. Inserting, retrieving and updating the case details of a case by judges and police is easy. Web Technology is used in this project using MySQL and PHP.	

Minor Projects

Signature Classification(features extraction using Image Processing and classification by KNN, SVM, ANN in MATLAB), Behavior Prediction(data set collected using GSR sensor and trained model using ANN), 3D Object Modeling using ultrasonic sensors and Arduino, Counter Strike Game(Mini Non GUI game using JAVA), InstantWeather (Weather forecasting Web App using AngularJS), Auto Insurance Prediction System (CLIPS expert system), Mini Compiler(limited Syntax using JAVA), Feedback Form(JAVA Applet GUI with MySql).

Relevant Coursework

- ☒ Image and Video Processing, Big Data and Data Warehousing, Wireless Networks, Microprocessors, 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, Theory of Computation, Discrete Mathematics, Electronic Devices and Circuits.
- ☒ Principles of Communication, Digital Logic, Principles of Management, Principles of Economics.
- ☒ Mathematics: Probability and Statistics, Linear Algebra, Calculus and Differential Equations, Convex Optimization.

Skill Set

Operating Systems	GNU/Linux, Windows
Programming Languages	C(Moderate), C++(Moderate), Java(Moderate), MATLAB(Moderate)
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)
Distributed Technologies	Apache Spark(Moderate)
Other Softwares	OpenGL(Basic), JESS/CLIPS(Basic), Prolog
Programming Environment	vi/vim, Netbeans, Eclipse IDE, Sublime, Arduino IDE, Jupyter, Android Studio

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 2nd 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.