

Avinash Yadav

STUDENT AT IIIT ALLAHABAD

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Objective

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

Education

Indian Institute of Information Technology

DUAL DEGREE (B.TECH + MBA) IN INFORMATION TECHNOLOGY

- CGPA - 8.10 (up to sixth semester).

Allahabad, India

July, 2016 - PRESENT

B.N.S.D. Shiksha Niketan (U.P. Board)

HIGHER SECONDARY EDUCATION

- Scored 92.8% marks in Higher Secondary Examination.

Kanpur, India

2014 - 2015

B.N.S.D. Shiksha Niketan (U.P. Board)

SECONDARY EDUCATION

- Scored 95.17% marks in Secondary Examination.
- Secured 8th rank in Uttar Pradesh Madhyamik Shiksha Parisad.

Kanpur, India

2012 - 2013

Achievements (Technical & Academic)

2019 **Facilitator - Google's Explore ML Academy**, Google AI.

2017 **IIITA - HACKS**, Participated in IIIT Allahabad hackathon.

2018 **Certification of AngularJS Course**, Udemy

Hyderabad, India

Allahabad

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Major Academic Projects

Image Super-Resolution using GAN

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- A Generative Adversarial Network has two main Neural Networks, Generator and Discriminator.
- The Generator takes a low resolution image as input and tries to generate a high resolution image for that input. The Discriminator learns from the actual training data and also the generated results of the Generator and tries to distinguish real and generated images.
- As the training goes the generator gets better and better at generating realistic outputs while the discriminator finds it harder and harder to distinguish real and fake images.
- Technologies Used : Python3, GAN

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June, 2019 – September, 2019

Spark MovieLens

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- A System for Movie Recommendation using content-based, collaborative approach on static data set.
- Extended to real time as web portal using flask, Spark Mlib ALS, cosine correlation.
- Used Apache Spark Distributed Processing.
- Technologies Used : Python, Apache Spark, Flask.

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August, 2018 – November, 2018

Real-Time Smart City Map on (Kumbh) Temporal Data

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- An Android app having features of maps where google maps can't reach such as temporal city like Kumbh.
- KML(Keyhole Markup Language) is used to display geographic data collected through GPS.
- It is designed for both admin and user side where government (admin) can add/update any protocol and user can get instant notification.
- Technologies Used : Android Studio, Firebase Realtime Database, KML.

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January, 2019 – May, 2019

Law and Order Automation

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March, 2018 – April, 2018

- This project is designed in order to reduce the burden of maintaining bulk of records of all the citizens, criminals and case details.
- Fetching and updating the case details by judge and police becomes easy.
- Used Apache Spark Distributed Processing.
- Technologies Used : JavaScript, MySQL, PHP.

Minor Academic Projects

2019	Signature Classification , Feature Extraction using Image Processing and classification by KNN, ANN, SVM in MATLAB	Allahabad
2019	Behaviour Prediction , data set collected through GSR(galvanic skin response) and trained model using ANN	Allahabad
2019	3D Object modeling , using ultrasonic sensors and Arduino.	Allahabad
2017	Counter Strike Game , Mini Non GUI game using JAVA.	Allahabad
2018	InstantWeather , Weather Forecasting Web App using AngularJS.	Allahabad
2018	Auto Insurance Prediction System , CLIPS expert system.	Allahabad

Technical Details

AREA OF INTEREST

- Algorithms, Data Structures, Web Development, Machine Learning.

PROGRAMMING LANGUAGES

- C/C++, Java, SQL, Python.

PROGRAMMING ENVIRONMENT

- NetBeans, Eclipse, Arduino IDE, Jupyter, Android Studio.

Extracurricular Activity

Coordinator

FINE ARTS SOCIETY, IIIT ALLAHABAD

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2018 - 2019

- Gained experience in event management and leadership skills.

Member

FINE ARTS SOCIETY, TECHNICAL FEST (APAROKSHA) & CULTURAL FEST (EFFERVESCENCE)

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2018 - 2019

- Gained experience in event management.
- Organizer online event "Sketcher".
- Organizer of face Painting competition.
- Secured 1st rank in Graffiti competition.
- Secured 2nd rank in Cartoon Making competition.

Declaration

I HEREBY DECLARE THAT THE ABOVE INFORMATION IS TRUE TO BEST OF MY KNOWLEDGE.