

# Avinash Yadav

STUDENT AT IIIT ALLAHABAD

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## Experience

### Innovaccer

Noida, India

SOFTWARE DEVELOPMENT ENGINEER INTERN

May, 2020 - July, 2020

- Contributed to POC of automated CI/CD using GitLab pipelines, docker, spinnaker, and EKS.
- Contributed to benchmarking of AWS EKS and Kafka.
- Contributed to developing an algorithm for mismatch analyzer to find an error in manual data feeding of typical MongoDB documents.
- Developed Frontend of Learning Management System.

## Education

### Indian Institute of Information Technology

Allahabad, India

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

July, 2016 - PRESENT

- CGPA - 8.26 (up to 8th semester).

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

Kanpur, India

HIGHER SECONDARY EDUCATION

2014 - 2015

- Scored 92.8% marks in Higher Secondary Examination.

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

Kanpur, India

SECONDARY EDUCATION

2012 - 2013

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

## Achievements

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

Hyderabad, India

2020 **Interview Jumpstart - 193rd Rank at 15 days of coding series**, Coding Ninjas.

Kanpur, India

2020 **Product Hacks - IIIC**, 2nd Prize in Hackathon organized by IIITA Info Communication Incubation Center.

Allahabad, India

## Major Academic Projects

### Spark MovieLens

[Github Repository Link](#)

IIIT ALLAHABAD

August, 2018 - November, 2018

- A System for Movie Recommendation using a content-based, collaborative approach on static data set.
- Extended to real-time as a web portal using Flask, Apache Spark, and MLlib.
- Technologies Used: Python, Apache Spark (distributes computing), Flask.

### Image Super-Resolution using GAN

[Github Repository Link](#)

IIIT ALLAHABAD

June, 2019 - September, 2019

- 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

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

[Github Repository Link](#)

IIIT ALLAHABAD

January, 2019 - May, 2019

- An Android app having features of maps where google maps can't reach such as a 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 the government (admin) can add/update any protocol and the user can get an instant notification.
- Technologies Used: Android Studio, Firebase Realtime Database, KML.

## Law and Order Automation

*Github Repository Link*

IIIT ALLAHABAD

*March, 2018 – April, 2018*

- This project is designed to reduce the burden of maintaining the bulk of records of all the citizens, criminals, and case details.
- Fetching and updating the case details by judge and police becomes easy.
- Technologies Used: MySql database, PHP, CSS, HTML.

## Minor Academic Projects

2019	<b>Signature Classification</b> , Feature Extraction using Image Processing and classification by KNN, ANN, SVM in MATLAB	<i>Github</i>
2019	<b>Behaviour Prediction</b> , data set collected through GSR(galvanic skin response) and trained model using ANN	<i>Github</i>
2019	<b>3D Object modeling</b> , using ultrasonic sensors and Arduino.	<i>Github</i>
2017	<b>Counter-Strike Game</b> , Mini Non-GUI game using JAVA	<i>Github</i>
2018	<b>InstantWeather</b> , Weather Forecasting Web App using AngularJS.	<i>Github</i>

## Technical Details

### AREA OF INTEREST

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

### PROGRAMMING LANGUAGES AND FRAMEWORKS

- C/C++, Python, Java, SQL, Django, Flask

### PROGRAMMING ENVIRONMENT

- Visual Studio Code, NetBeans/Eclipse, IntelliJ, Jupyter, Android Studio.

## Extracurricular Activity

### Coordinator

*Allahabad*

FINE ARTS SOCIETY, IIIT ALLAHABAD

*2018 - 2019*

- Gained experience in event management and leadership skills.

### Member

*Allahabad*

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

*2017 - 2018*

- Gained experience in event management.
- Organizer of online event "Sketcher" and face Painting competition.

## Declaration

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