

# Avinash Yadav

STUDENT AT IIIT ALLAHABAD

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## Experience

### Innovaccer

SOFTWARE DEVELOPMENT ENGINEER - I

Noida, India

July, 2021 - Present

### Innovaccer

SOFTWARE DEVELOPMENT ENGINEER INTERN

Noida, India

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 errors in manual data feeding of HEDIS measures.
- Developed Frontend of Learning Management System.

## Education

### Indian Institute of Information Technology, Allahabad

DUAL DEGREE (B.TECH (IT) + MBA (IT))

CGPA - 8.5

July, 2016 - June, 2021

### B.N.S.D. Shiksha Niketan, Inter College, Kanpur

HIGHER SECONDARY EDUCATION

92.8%

2014 - 2015

### B.N.S.D. Shiksha Niketan, Inter College, Kanpur

SECONDARY EDUCATION

95.17%

2012 - 2013

- Secured 8th rank in Uttar Pradesh Madhyamik Shiksha Parishad.

## Achievements

2021	<b>Qualified Graduate Aptitude Test in Engineering (GATE)</b> , Computer Science	Kanpur, India
2019	<b>Facilitator - Google's Explore ML Academy</b> , Google AI.	Hyderabad, India
2020	<b>Product Hacks - IIIC</b> , 2nd Prize in Hackathon organized by IIITA Info Communication Incubation Center.	Allahabad, India
2020	<b>Interview Jumpstart - 193rd Rank at 15 days of coding series</b> , Coding Ninjas.	Kanpur, India

## Major Academic Projects

### Spark MovieLens

IIIT ALLAHABAD

[Github Repository Link](#)

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.

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

IIIT ALLAHABAD

[Github Repository Link](#)

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.

### Data Mining Approaches in Healthcare Operations to Improve Decisions and Activity

#### Workflow

[Github Repository Link](#)

MASTER PROJECT FOR MBA (IT AND OPERATIONS), IIIT ALLAHABAD

November, 2020 – April, 2021

- The principal objective of this work is to solve two operational issues in healthcare management: predicting operational activities delay, and recognizing key work process drivers.
- Technologies Used: Python, data mining.

## Image Super-Resolution using GAN

IIIT ALLAHABAD

*Github Repository Link*

*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 hard to distinguish real and fake images.
- Technologies Used: Python3, GAN

## Minor Academic Projects

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2021	<b>Expert System</b> , Performance evaluation in automobile green closed-loop supply chain using Java Swing	<i>Github</i>
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

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### AREA OF INTEREST

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

### PROGRAMMING LANGUAGES AND FRAMEWORKS

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

### PROGRAMMING ENVIRONMENT

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

## Extracurricular Activity

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### Coordinator

FINE ARTS SOCIETY, IIIT ALLAHABAD

- Gained experience in event management and leadership skills.

*Allahabad*

*2018 - 2019*

### Member

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

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

*Allahabad*

*2017 - 2018*

## Declaration

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