

Avinash Yadav

STUDENT AT IIIT ALLAHABAD

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Experience

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

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[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

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

[Github Repository Link](#)

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

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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

2021	Expert System , Performance evaluation in automobile green closed-loop supply chain using Java Swing	<i>Github</i>
2019	Signature Classification , Feature Extraction using Image Processing and classification by KNN, ANN, SVM in MATLAB	<i>Github</i>
2019	Behaviour Prediction , data set collected through GSR(galvanic skin response) and trained model using ANN	<i>Github</i>
2019	3D Object modeling , using ultrasonic sensors and Arduino.	<i>Github</i>
2017	Counter-Strike Game , Mini Non-GUI game using JAVA	<i>Github</i>
2018	InstantWeather , Weather Forecasting Web App using AngularJS.	<i>Github</i>

Technical Details

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

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

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