

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.

Experience

Innovaccer

Noida, India

SOFTWARE DEVELOPMENT ENGINEER INTERN

May, 2020 - July, 2020

- Contributed in POC of automated CI/CD using gitlab pipelines, docker, spinnaker and EKS.
- Contributed in bench marking of AWS EKS and Kafka.
- Contributed in developing algorithm for mismatch analyzer to find error in manual data feeding of typical mongoDB document.
- 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 (Technical & Academic)

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

Hyderabad, India

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

Knapur, India

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

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2018 **Certification of AngularJS Course**, Udemy

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Major Academic Projects

Image Super-Resolution using GAN

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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

Spark MovieLens

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IIIT ALLAHABAD

August, 2018 - November, 2018

- 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.

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

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IIIT ALLAHABAD

January, 2019 – May, 2019

- 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.

Law and Order Automation

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IIIT ALLAHABAD

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.
- Technologies Used : MySql database, PHP, CSS, HTML.

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++, Python, Java, SQL

PROGRAMMING ENVIRONMENT

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

Extracurricular Activity

Coordinator

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FINE ARTS SOCIETY, IIIT ALLAHABAD

2018 - 2019

- Gained experience in event management and leadership skills.

Member

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

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.