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

Education

Indian Institute of Information Technology, Allahabad   *CGPA - 8.26*
DUAL DEGREE (B.TECH + MBA) IN INFORMATION TECHNOLOGY   *July, 2016 - Present*

B.N.S.D. Shiksha Niketan, Inter College, Kanpur   *92.8%*
HIGHER SECONDARY EDUCATION   *2014 - 2015*

B.N.S.D. Shiksha Niketan, Inter College, Kanpur   *95.17%*
SECONDARY EDUCATION   *2012 - 2013*
- 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*

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

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.