Avinash Yadav

Student at IIIT ALLAHABAD

1/640 Rishinagar, Shuklaganj, Unnao, Uttar Pradesh, India - 209861

(+91) 7524990644 | avinashyadav06.ay@gmail.com | weirdolucifer.github.io | weirdolucifer | avinash-yadav-50b971146

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 - 8.36*
DUAL DEGREE (B.TECH (IT) + MBA (IT)) *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

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 *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.

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.

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   *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 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	*Github*
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, 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   *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.