Vijay Shankar

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EDUCATION

- **Indian Institute of Information Technology Kalyani** — West Bengal, India
  Bachelor of Technology - Information Technology; GPA: 8.31 — *July 2019 - June 2023*
  Courses: *Data Structures, Algorithms, Artificial Intelligence, Machine Learning, Databases*

SKILLS SUMMARY

- **Languages**: Python, Dart, C/C++, Java, SQL, R, Matlab.
- **Frameworks**: Tensorflow, Scikit, Pytorch, Django, FastApi, Flutter.
- **Tools**: Azure, Docker, GIT, PostgreSQL, MySQL, Firebase
- **Soft Skills**: Leadership, Writing

EXPERIENCE

- **PROOF OF PERFORMANCE PRIVATE LIMITED** — Remote
  Software Development Engineer Intern Remote — *May 2020 – Aug 2020*
  - **Work**: Inland Waterways Authority of India (IWAI) Contribution in app development of IWAI using flutter and Dart to make water navigation system.
- **GOOGLE DEVELOPER STUDENT CLUB** — Mobile Dev Lead
  Instructor and event speaker — *Aug 2021 - Present*
  - **Flutter Festival**: Teach all student all about flutter and firebase and state management.

PROJECTS

- **Vison - Detection of Diabetic Retinopathy**: Research oriented, open source, to help to prevent Diabetic Retinopathy beforehand.Tech: Python, TensorFlow,Flutter (working on)

- **BIAL Genie Hackathon By Microsoft (Flutter,Django,Azure)**: Under Top 8 teams for Finale, Application to enhance user travel journey at BIAL airport using various Azure services example:- chatbot,recommender system,api etc. (Oct 27, 2021 - Jan 10, 2022)

- **Rally To Tally Hackathon (Mask-RCNN, Computer Vision)**: AI application for Inventory management of pipes in an outside yard.2nd Prize Winner by Mitsubishi Corporation (Americas) (Aug 10, 2021 - Sep 26, 2021)

- **Enter the Travel-Verse Hackathon (Python Application, Machine Learning)**: 2nd Prize winner, A destination recommender system that takes the user's origin point and the month during which they will be traveling as input, and recommends them the top ten destinations they can travel to. (Oct 01, 2021 - Nov 29, 2021)

- **Recommendation System Using Restricted Boltzmann Machine (RBM)**: Using movielens dataset give recommendation to user based on user previous movie ratings. CP-ABE MovieLens 100K movie ratings. Stable benchmark dataset. 100,000 ratings from 1000 users on 1700 movies. Released 4/1998. Tech: Pytorch (May '20)

- **Snake and Ladder (Unity)**: Toycathon Winner, reimagied Snake and ladder game. Tech: C# (March '20)

CERTIFICATION

- **Mathematics for Machine Learning (Coursera)**: Completed and certified by Imperial College London.

- **TensorFlow Developer (Coursera)**: Completed and certified by DeepLearning.AI.

- **Deep Learning Specialization (Coursera)**: Completed and certified by DeepLearning.AI.

- **Generative Adversarial Networks (GANs) (Coursera)**: Completed and certified by DeepLearning.AI.

HONORS AND AWARDS

- Kaggle Competitions Contributor : In Top 3 of Ml Olympiad-Good Health and well Being by Tensorflow(Google)
- Under 50 in Ctrl-Alt–Debt Hackathon - Dec 15, 2021- Jan 27, 2022

VOLUNTEER EXPERIENCE

- **Mobile Dev Lead at Developer Student Clubs Kalyani** — West Bengal, India
  Conducted online technical & soft-skills training impacting over many students. — *Present*