

Shashank Priyadarshi

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in iamsh4shank

OBJECTIVE

Seeking a position in the field of Computer Science where I can utilize my skills to further work towards personal and professional development and contribute towards the prosperity of the organization. Highly motivated and eager to learn new things.

EDUCATION

- 2019-2023 **B.Tech in Computer Science and Engineering with Artificial Intelligence, Amrita Vishwa Vidyapeetham**, Kollam, Kerala, India.
Ongoing CGPA: 8.8/10
- 2018 **Sunbeam English School**, Varanasi, U.P., India.
Percentage: 92.6%
- 2016 **Imperial Public School**, Varanasi, U.P., India.
Percentage: 10CGPA

EXPERIENCE

- April 2021 - **Android research voluntary Intern, RoboTutorLLC, Carnegie Melon University.**
June 2021 RoboTutor which is an Android tablet app that enables children ages 7-10 with little or no access to schools to learn basic reading, writing, and arithmetic without adult assistance.
- March 2021 - **Google Summer of Code, Mentor, The Apache Software Foundation.**
Ongoing Mentor for the Fineract projects, mobile banking app on top of the Apache Fineract architecture, worked on projects like android client for field operation and android SDK based on Fineract APIs
- August 2020 - **Developer Student Club, Lead, Amrita School of Engineering.**
July 2021 Developer Student Club is the university-based community groups for students interested in Google developer technologies. DSC helps us to grow our knowledge in a peer-to-peer learning environment and build solutions for local businesses and their community.
- May 2020 - **Google Summer of Code, Student Developer, The Mifos Initiative.**
September 2020 Open source contributor to the android client application for the field officers. During this period I introduced new features related to GIS support, notification integration, KYC/onboarding feature, UI enhancements, dark mode, localization support, and few other minor features which made this application upgrade to its version 7.
- August 2019 **Member and Mentor, amFOSS.**
amFOSS is the Free and Open Source Software club of my college. I have been an active member of the community from the time I joined college. I actively take part in all events and also help in organizing events hosted by amFOSS.
- January 2020 **Contributor and Mentor, The Mifos Initiative.**
Mifos X is an extended platform for delivering the complete range of financial services needed for an effective financial inclusion solution. Project Link:
<https://github.com/openMF/android-client>

ACHIEVEMENTS

- Got selected for AWS Machine Learning Scholarship Program by Udacity and Amazon AWS.
- Selected for MaLGa Unige summer school which was based on fields such as Computer Vision, Regularization, and Deep Learning.
- Selected for MLSS 2021 Taipei summer school based on various topics related to Machine Learning.
- Top contributor to the Mifos Android Client.

- Won best Digi Hardware Key category prize in Abracadabra hackathon organised by Major League Hacking.
- Won best Google Cloud category prize in Mental Health hackathon organised by Major League Hacking.
- Won best Digi Hardware Key category prize in Hack-ccessible hackathon organised by Major League Hacking.
- Completed Diploma in Computer Management, this is a 2 years course for basics of Networking, Hardware and Software.

TECHNICAL PROJECTS

- December 2019- present **Android Client - Mifos.**
Android Field operation application based on Mifos X is a robust core banking platform that is developed for field officers using which they process transactions, keep track of their client's data, center records, group details, different types of accounts (loan, savings and recurring) of the client, run reports of clients, etc. Tech stack used- Android, Java, XML, Kotlin. Project Link:
<https://github.com/openMF/android-client>
- May 2021 **Mental Vaccine.**
Not just a physical vaccine is enough, Mental Vaccine will help you to cure a stressful mind. It is a mobile application developed over Flutter to fight against the stressful conditions during this pandemic. Tech Stack used - Python, Flutter, Dialogflow, Google cloud DB, ML.
- January 2021 **Image X.**
An image processing desktop app which provides some features like super resolution, object detection*, image compression, and image fusion (multi focus). Tech Stack used - Python(Deep Learning), PyQT.
- January 2021 **Raag .**
It is an cross platform mobile audio player application, it provides some features like song downloading and audio player. Tech Stack used - Flutter.
- December 2020 **Imfusion.**
An Open Source image fusion desktop app. It supports image fusion using Discrete wavelet transformation. Tech Stack used - Python(Deep Learning), PyQT.
- December 2020 **Arm Analyser.**
An arm analyzer is a robotic arm with a proper trajectory fed with clock input and a 3D viewer using Simulink. To do this task, a trajectory planner and a mechanical model, which deals with constraints, i.e. collisions among the arm joints and objects, is used. Tech stack used- Matlab, Simulink.
- July 2020 **Game module.**
This is a cost-efficient game module using Arduino which supports various games. Video games are the most rapidly growing industries in the world, which led us to develop this module. Currently, it contains three games - Flappy bird, super Mario, and tic tac toe. More improvements are under the development phase. Tech stack used- Arduino UNO, C, C++. Project Link:
<https://github.com/iamsh4shank/gaming-module>
- May 2020 **Temple App.**
This android app provides a cost-efficient way of maintaining records of poojas, donations made by people, and also all the financial records in temples. I am one of the top contributor to this project. Tech Stack - Android, Firestore. Project Link:
<https://github.com/amfoss/TempleApp>
- April 2020 **Health Log.**
The smart and efficient android app provided to hospitals to maintain the logs of covid19 patients. Hospital authority can store new patient and it will automatically assign the doctor to each patient. Doctors can also check the allotted patient and fill the recent logs of each patient in each visit which will update the family members by the patient's report. Tech stack - Android, XML, Firestore Project Link:
<https://github.com/Technical-Hackers/Health-Log>
- January 2020 **Moodify.**
An android app which will boost your current mood. Whether you are happy, sad, angry, surprised, it will present you with quotes, videos, and posts that will improve your mood to a great extent. This application uses emotion recognition to predict the emotion of the user by scanning their face. Tech Stack - Android, Flask API, Face detection API Project Link:
<https://github.com/AwesomeFruitSalad/CrimsonLychee>

COURSE PROJECTS

June 2021 **Tweet_Analyser.**

Implemented a Tweet Analyser using Python, it will classify your tweet into few labels such as abusive, non-abusive, hate, and humour. It fetches the tweet on particular query using Twitter API and after filtering analyses the tweet. Tech stack used- Python, Twitter API, Fasttext. Project Link:
https://github.com/iamsh4shank/Tweet_Analyser

July 2020 **Phone directory.**

This is a console application developed for creating a phone directory using BST (binary search tree) data structure. It has a text file as a database from where it fetches (in alphabetical order) and stores the new numbers in the format as Name PhoneNumber Email. Tech stack - Java. Project Link:
https://github.com/iamsh4shank/phone_directory

June 2020 **Biomation - a bioinformatics tool.**

This is a bioinformatics tool (web app) to solve various problems related to hidden messages in DNA. It processes large data-sets of big Genomes very efficiently. It supports various features like pattern count, hamming distance, clump finding, etc. Tech Stack used - Python, Django, HTML, CSS Project Link:
<https://github.com/TwoTechie/DNA-Analysis/tree/function>

November **MomentO.**

2019 Dr. Hariprasad M.P. , Dept. of Mechanical, ASE, Amritapuri.

This is a Java-based desktop application. With the help of this application, one can find the Moment of inertia and center of mass of a given figure about an axis or any point defined by the user. It provides some basic shapes like rectangular channel, triangular channel, and a user can also define a new shape. Tech stack- Java, Netbeans. Project Link:
<https://github.com/iamsh4shank/MomentO>

COURSES AND MOOC

April 2021 **Neural Networks and Deep Learning.**

Issuing Organization: DeepLearning.AI.

Certificate Link: <https://coursera.org/share/2bffc5b8777c05b9257f13d87740f4a2>

August 2020 **Data-driven Astronomy.**

Issuing Organization: Coursera.

Certificate Link: <https://coursera.org/share/44152fa1dc7ae19dc8bb006ec54320b3>

May 2020 **Kotlin for Java Developers.**

Issuing Organization: JetBrains.

Certificate Link: <https://coursera.org/share/474a77af5110f304457cc11bea7de646>

May 2020 **Introduction to Satellite Communications.**

Issuing Organization: Institut Mines-Télécom Business School .

Certificate Link: <https://coursera.org/share/3ee2722efd30dd0ce19c199ce504885b>

June 2020 **Finding hidden message in a DNA(Bioinformatics 1).**

Issuing Organization: University of California, San Diego.

Certificate Link: <https://coursera.org/share/fd26fedc3689bc561dedea5056b2e3f8>

VOLUNTEERING

April 2021 **Android Development.**

This workshop was held by the placement cell of my college, I was responsible to take sessions for Android Development using Java.

October 2020 **Hacktoberfest.**

Helped in volunteering hacktoberfest last year where various workshops were taken on GitHub, ROS, and Open source, etc.

CONFERENCE ATTENDED

September **ML and Deep Learning, Amrita Vishwa Vidyapeetham.**

2019 A webinar based on tech stack related to Artificial Intelligence and ML.

January 2020 **Hackverse.**

Attended conference of Digital Ocean, Elastic and Matic based on dockers, block chain, and elastic search services.

Coursework

Core Courses	Data Structure, Object Oriented Programming, Elements of computing systems, Biology for intelligence system
Lab Courses	Data Structure Lab, Object Oriented Programming JAVA Lab, Digital Manufacturing, Introduction to Drones.

LANGUAGES

English	Full Professional Proficiency
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COMPUTER SKILLS

OS	Linux, Windows
Programming Languages	Python, Java, Kotlin, XML, C, MySQL, Fetter, React
VCS	Git, GitHub, GitLab
Other Skills	Android Development, Deep Learning, 3D Drawing(Solid Works), Adobe Photoshop, CorelDraw

INTERESTS

Technical	Computer Vision, Deep Learning, Satellite Communications, Contributing to Open Source
Hobbies	Travelling and Photography

PERSONAL DETAILS

DOB	26th June, 2000
Current Residence	Varanasi, Uttar Pradesh, India
Status	Student