Shashank Priyadarshi

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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 Ongoing   **B.Tech in Computer Science and Engineering with Artificial Intelligence**, *Amrita Vishwa Vidyapeetham*, Kollam, Kerala, India.
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 - Ongoing   **Android research voluntary Intern)**, *RoboTutorLLC, Carnegie Melon University*.
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 - Ongoing   **Google Summer of Code**, *Mentor, The Apache Software Foundation*.
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 - Ongoing   **Developer Student Club**, *Lead, Amrita School of Engineering*.
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 - September 2020   **Google Summer of Code**, *Student Developer, The Mifos Initiative*.
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`

TECHNICAL PROJECTS

Decemeber 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`

January 2021	**Image X**.
	An image processing desktop app which provides some features like super resolution, object detection*, image compression, and image fusion (multifocus). 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.
Decemeber 2020	**Imfusion**.
	An Open Source image fusion desktop app. It supports image fusion using Discrete wavelet transformation. Tech Stack used - Python(Deep Learning), PyQT.
Decemeber 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

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 2019	**MomentO**.
	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`

VOLUNTEER

October 2020	**Hacktoberfest**.
	Helped in volunteering hacktoberfest last year where various workshops were taken on GitHub, ROS, and Open source, etc.

CONFERENCE ATTENDED

September 2019	**ML and Deep Learning, Amrita Vishwa Vidyapeetham**.
	A webinar based on tech stack related to Artifical Intelliegence and ML.
January 2020	**Hackverse**.
	Attended conference of Digital Ocean, Elastic and Matic based on dockers, block chain, and elastic search services.

ACHIEVEMENTS

- Won best Digi Hardware Key category prize in Hack-ccessible hackathin organised by Major League Hacking
- Completed Diploma in Computer Management, this is a 2 years course for basics of Networking, Hardware and Software.
- Completed 6 years playing guitar. Certification:Prayag Sangeet Samiti, Allahabad

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

COMPUTER SKILLS

OS	Linux, Windows
Programming Languages	Python, Java, Kotlin, XML, C, MySQL, Futter, 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