

Shashank Priyadarshi

Kollam, Kerala, India

+91 9936596075

s.priyadarshi629@gmail.com

iamsh4shank.me

in iamsh4shank

OBJECTIVE

Seeking a position in the field of Computer Science where I can utilize my skills to further work towards research ideas, come up with innovative solutions and contribute towards the prosperity of society. Highly motivated and eager to learn new things.

EDUCATION

- 2019-2023 **B.Tech in Computer Science and Engineering with Artificial Intelligence, Amrita Vishwa Vidyapeetham,**
Ongoing Kollam, Kerala, India.
CGPA: 8.6/10
- 2018 **Sunbeam English School,** Varanasi, U.P., India.
Percentage: 92.6%
- 2016 **Imperial Public School,** Varanasi, U.P., India.
CGPA: 10

EXPERIENCE

- January 2022 **Machine Learning Intern, Saptang Labs.**
Worked as a ML intern, the project focused on dealing with big chunks of data, relationship extraction from textual data, language processing, feature extraction, text representation and n-gram modeling. Saptang Labs tracks the threat actors active in the Indian Cyber space such as technical analysis of recent Cyber attack on Mumbai Police Cyber cell.
- September 2021 - **Android Engineering Intern, The Atom EI.**
Worked on applications associated with the Atom such as meditation and fitness that are deployed in Playstore, added features like subscription model, video tutorials, and fixed other bugs. Atom EI works on building the healthy habits that helps to discover a healthier and happier way of life.
- November 2021 - **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 that focuses on Human Computer Interaction.
- March 2021 - **Google Summer of Code, Mentor, The Apache Software Foundation.**
Mentored for Fineract projects, mobile banking app on top of the Apache Fineract architecture, contributed to the continuous development on projects like android client based on Fineract 1.5 for field operations and android SDK based for other banking applications.
- August 2020 - **Google 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. Conducted various sessions to help college students in the field of Android Development.
- December 2020 - **Traboda, Frontend Developer.**
Worked on the frontend of end to end Cyber-security learning platform that provides gamified learning experiences along with various CTF challenges. It also provides a feature to host CTFS, a few well known hosted CTFS are InCTF and InCTF Jr.
- May 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.
- September 2020 - **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.
- August 2019 - **Maintainer, The Mifos Initiative.**
Mifos X is an extended platform for delivering the complete range of financial services needed for an effective financial inclusion solution. Contributed to several projects based on Fineract APIs and open banking API. Project Link: <https://github.com/openMF/android-client>

ACHIEVEMENTS

- Got selected for **AWS Machine Learning Scholarship** Program by Udacity and Amazon AWS.
- Selected for 3 weeks long **MaLGa Unige summer school** which covered mathematical portions related to fields such as Computer Vision, Regularization, and Deep Learning.
- Selected for **MLSS 2021 Taipei summer school** based on various topics related to Machine Learning.
- One of the **top contributor** to the **Mifos Android Client**.
- Won **best Digi Hardware Key** category prize in Abracadabra hackathon and Hack-ccessible Hackathon organised by Major League Hacking.
- Won **best Google Cloud** category prize in Mental Health Hackathon organised by Major League Hacking.

TECHNICAL PROJECTS

- September 2021 - **AmAutolab**.
Dr. Gilad Gressel, Amrita Center for Wireless Networks and Applications.
- December 2021 - Worked on auto assignment evaluation using Python scripts with proper evaluation schemes and dynamic problem handling. Problems can be updated and mapped with decided scoring and grading patterns. This is developed for the Autolab by CMU with configuration changes. Tech stack - Python, shell scripting, and YAML.
- October 2021 - **Galaxy GAN**.
This project is based on galaxy image super resolution using astroNN dataset. This project is based on implementation of super resolution generative adversarial networks(SRGAN paper), performed the case study on astroNN dataset. Tech stack - PyTorch and Python Project Link - <https://github.com/iamsh4shank/SRGAN>
- 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, and manage different types of accounts (loan, savings and recurring) of the client. Tech stack used- Android, Kotlin, RxJava. Project Link - <https://github.com/openMF/android-client>
- May 2021 - **Galaxy Classifier**.
This project is based on morphological classification using Deep ConvNet. It shows how computational cosmology could help to make hard classification easy. The galaxy can be classified in various ways, they can be in three classes namely - Elliptical, Spiral, Irregular. Tech stack - TensorFlow, Python Project Link - <https://github.com/iamsh4shank/gal-classifier>
- 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. Project Link - <https://github.com/bits-to-byte/mental-vaccine>
- 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. Project link - <https://github.com/raag-music/raag>
- 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. Project link - <https://github.com/iamsh4shank/Imfusion>
- 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 Covid19 patients log. Hospitals can admit new patients and it will automatically assign doctors to each patient. They can update description of the allotted patients to update the family members. Tech stack - Android, XML, Cloud Firestore. Project Link - <https://github.com/Technical-Hackers/Health-Log>

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

December **Arm Analyser.**

2020 An arm analyzer is a robotic arm with a proper trajectory fed with clock input and a 3D viewer using Simulink. 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.

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>

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

January 2022 **Introduction to Android Development.**

This workshop was conducted by the Developer Student Club, Amritapuri in the field of Android Development.

September **Introduction to AI.**

2021 This workshop was held by the amFOSS and Team Bi0s for the school students in the field of web development, AI, Game development, etc. I was responsible to take sessions for Introduction to AI and Machine Learning.

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.**

Volunteered for Hacktoberfest where various workshops were taken on GitHub, ROS, and Open source, etc.

Coursework

Core Courses Data Structure and Algorithms, Networking, Bioinformatics, Robotics, Machine Learning, Signal and Image processing, Financial Time Series Analysis, AI in Speech Processing, Big data Analysis, Reinforcement Learning, NLP, and Applied Cryptography

Lab Courses Data Structures, Robotics simulation, Digital Manufacturing, Introduction to Drones, Big data, Image processing

LANGUAGES

English Full Professional Proficiency

Hindi Native Tongue, Full Professional Proficiency

COMPUTER SKILLS

OS Linux, Windows, MacOS

Programming Languages Python, Java, Kotlin, C, PostgreSQL, Futtter, React, Matlab, Firebase

VCS Git, GitHub, GitLab

Other Skills Android Development, Deep Learning, 3D Drawing(Solid Works), Adobe Photoshop, CorelDraw

INTERESTS

Technical Computer Vision, Deep Learning, Visual Recognition, NLP, Contributing to Open Source

Hobbies Traveling and Photography

PERSONAL DETAILS

DOB 26th June, 2000

Current Residence Varanasi, Uttar Pradesh, India

Status Student