

# VANSHIKA .

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## Skills

- Java | Python | C | C++ | C# | SQL | HTML | CSS | JavaScript | Machine Learning | Computer Vision
- Firebase | MySQL | SQLite | Android Development | Web Development | UI Testing | OOP | Unity 2D | Game Development
- Git and GitHub | Bitbucket | Jira and Confluence | React | Selenium | English, Hindi-*Professional proficiency or above* | German- *Basic*

## Experience

**Project Intern** National Informatics Centre *New Delhi, India* **08/2022 - 11/2022**

- Developed a machine learning model and QGIS plugins to get the boundaries of a satellite image.
- Also developed a plot information management system to help Government of India store, search and retrieve records of the land ( developed for state of Arunachal Pradesh but can be extended later)
- QGIS is used as the platform to run the plugins. Two plugins were developed, one- ShpFileGenerator, which uses the machine learning model to segment the image, detect its boundaries and then save it in a shape file; second- ShpFileCorrector, which uses QGIS' existing features to edit the lines detected by the previous plugin. The second plugin is to rectify any wrong boundary detected by automation.
- **Technologies used:** For ML model: **Python, Machine Learning (Unet, Resnet, Canny Edge Detection)**; For Plugin: **QGIS, PyQGIS**; For plot information management system: **PHP, HTML, CSS, MySQL**

**Test Automation Developer, Intern** Barclays *Pune, Maharashtra, India* **06/2022 - 07/2022**

- Designed and wrote the program to run automated tests on the upcoming User Interface of the OneReg team in Markets Post Trade.
- The automated test cases reduced the testing time exponentially as the manual testing would take hours for the task which is done in minutes by automation, which includes report generation. These automated test cases included, testing for UI, text and position in general, navigation, matching data present to the database etc.
- **Technologies used:** **Java, Selenium** along with **Bitbucket, Jira and Confluences** for maintaining collaboration with team.

## Projects

**Android Application** Student Help Desk [Download](#) [GitHub](#)

- An App to help Students, College and Companies coming during placements.
- The app keeps records of student's data, allowing students to change non critical information by themselves, and critical information by sending request to college, students can ask questions from college and also see previously asked questions and their answers.
- The app allows college to accept requests from students, lock database, filter and send data to company, send important notifications to students and also manage company coming to college.
- The company is allowed to request for data, view it, send notifications to students, receive them from college.
- **Technologies used:** **Java, Firebase, XML**

**Web Application** My Portfolio [Visit](#) [GitHub](#)

- A simple website containing information about me.
- **Technologies used:** **React, HTML, CSS**

**Game** Run Bunny [Download](#) [GitHub](#)

- A simple infinite game where the character has to collect coins and prevent from falling into river.
- **Technologies used:** **C#, Unity 2D**

## Education

**Bachelor of Technology** Banasthali Vidyapith *Tonk, Rajasthan, India* **06/2019 - 05/2023**

- Major Computer Science Engineering | CGPA- 9.51

**Senior Secondary** St. Mary's School *Bijnor, UP, India* **04/2018 - 05/2019**

- PCM + English + Computer Applications |ISC board | Percentage- 94.8%

**Higher Secondary** St. Mary's School *Bijnor, UP, India* **04/2016 - 05/2017**

- ICSE board | Percentage- 94.5%

## Achievements

- **6 Stars in Problem Solving** – HackerRank [Profile\(@m\\_vanshika\)](#)
- **Core Member- Technical Team** -Mayukh'23, Biggest national level technical fest of Banasthali Vidyapith
- **JPMC Code for Good- First Runner Up Team**
- **Gate Qualified** (Gate Score: 359)
- Lead a team of 4 to **win Idea Carnival** by Atal Incubation Centre, Banasthali Vidyapith by turning our startup idea into a business plan.
- **Mentored** at UAcelt- responsible for helping students from different colleges learn the concepts and develop android applications.
- **Technical member, HackerEarth Hub, Banasthali**- Organized coding contests and conducted workshop on Server-Side attacks.
- **Best Debater**- Let's Talk 2021 Girl Up Abhiti.