

Shashi Kumar

Location - Kanpur, Uttar Pradesh, India
Integrated B.Tech & M.Tech - Information Technology
Indian Institute Of Information Technology, Gwalior

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Github | Codeforces
LinkedIn | LeetCode | Codechef

EDUCATION

- **Indian Institute Of Information Technology, Gwalior, India** *Bachelors and Integrated Masters in Technology*
Information Technology (CGPA - 7.3) 2024(expected)
- **Guru Har Rai Academy Kanpur, India** *ISC-High School*
Science (87%) 2019

PUBLICATIONS

- **Utilizing Transfer Learning for Crop Suggestions and Plant Disease Identification** *April 2024*
Authors - Shashi Kumar & Anuraj Singh **IATMAI'24 (IEEE)**

EXPERIENCE

- **UtorLabs** *May. 2023 - July. 2023*
Internship *Remote - India*
 - Worked on Elastic Stack and Django. Connected **Elasticsearch** with **PostgreSQL** using **python script** and **Logstash**.
 - Performed visualization and analysis of data in **Kibana**.
 - Integrated **Django** with **Freshdesk**. Created Tickets API file to perform **CRUD** operations on Fresh desk tickets.

AWARDS AND ACHIEVEMENTS

- **5 stars at Codechef:** [Rating-2125]
- **Expert at Codeforces:** [Rating-1691]
- **Google Kickstart Round A 2023:** [Rank - 575th worldwide]
- **Google Kickstart Round D 2023:** [Rank - 605th worldwide]
- **Google Kickstart Round C 2022:** [Rank - 623rd worldwide]
- **Codeforces Round 753:** [Rank - 208/26k]
- **Codechef Starters 100 (Div 2):** [Rank - 80th worldwide]

PROJECTS

- **Saathi | AI based agriculture utility website** *April, 2023*
Web Development & ML | Tensorflow, Keras, Flask, Bootstrap, SQL, Docker, Nginx *Github*
 - Implementing crop recommendation system and plant disease identification in a web platform
 - Used **random forest** for classification task with an accuracy of 99.7%
 - Implemented **EfficientNetV2** image classification with an accuracy of 95.4%
 - Deployed webapp using **Flask** in a containerized environment using **Docker**
- **bWall | Anonymous Image-based bulletin board** *November, 2021*
Web Development | Flask, Bootstrap, SQL, Vanilla JS *Github*
 - Created a 4chan like website where users can **post images anonymously** and comment on other users posts.
 - Created the project with proper **software development life cycle (SDLC)** and performed **backend unit testing**.
- **CovidRecognizer** *December, 2020*
Image processing, Deep Learning | OpenCV, NumPy, Pillow *Github*
 - Created a **image processing pipeline** for **biomedical image classification** and **segmentation**.
 - Used image processing techniques such as **CLAHE**, **binarization**, **dilation**, etc.
 - Implemented UNet for segmentation and achieved an accuracy of 82%

TECHNICAL SKILLS

- **Programming:** C/C++, Python, JavaScript, ReactJS
- **Database:** SQL, MySQL
- **Tools/Frameworks:** L^AT_EX, Git, Tensorflow, PyTorch, OpenCV
- **Web Development:** HTML, CSS, Flask/Django
- **Operating Systems:** MacOS, Windows, Linux
- **Coursework:** OS, CN, DBMS, Cloud Computing, COA, Machine Learning, Deep Learning

POSITIONS OF RESPONSIBILITY

- **Google Developers Student Club | Design Head (2020-21) | Android Head (2021-22)**, IIIT Gwalior.
- **Problem Setter (2022 - 2023) | AASF(Technical Club) | HacktoberFest Mentor**, IIIT Gwalior.