

Vishva nath Dutt Sharma

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Education

National Institute of Technology, Durgapur

Aug 2015 - May 2019

B. Tech. in Information Technology, 8.07/10.0

Courses - Data Structures, Algorithms, Operating Systems, Computer Networks, DBMS

Senior Secondary (12th) - CBSE (92.2%)

Rani Laxmi Bai Memorial Sec. School, Lucknow, UP

Skills

Languages : Python, C++, C, SQL, JavaScript, Shell, Emacs-Lisp (*in order of proficiency*)

Tools : Django, Flask, Git, MATLAB, Reddit API, Facebook Graph API, Twitter API, L^AT_EX

Interests : Web Development, Algorithms, Machine Learning

Projects : github.com/vishvanath45, vishvanath45.github.io

Experience

Developed Full Stack website for Competitive Programmers

<http://recursionnitd.in>

- Developed and successfully deployed Programming Club's website which has a Stack Overflow-esque Q&A forum where students can ask Competitive programming related problems.
- Lead the Web Dev team, solving bugs, integrating features.
- The platform is used by more than 200 students on campus.
- **Technologies used** : Django, SQL, Bootstrap, HTML, Jinja, JS, Ajax, Git
- Link - <http://recursionnitd.in>

Detecting Sensitive Information Leakage on Social media, Research Intern

Precog Research Lab, IIT Delhi

- Research Intern with Prof. Ponnurangam Kumaraguru, worked on detection of Leakage of Sensitive Information on Social media using Machine Learning Techniques, such as Document Clustering, K-Means, Word2Vec, Tf-Idf vectorization.
- Worked on both Frontend and Backend development of the application, wrote production level code for deployment of service.
- **Technologies used** : Clustering, Flask, MongoDB, Python, Bootstrap, JS, Ajax.

Developed a website for organizing Codechef Virtual Contests

Alibaba-Codechef Hackathon, 2018

- Worked on full stack development of a website for hosting Virtual Contests, i.e. replaying past competitive programming contests held on CodeChef as they were held in real time.
- Successfully developed and released the entire application, and **won 2nd prize globally**.
- Utilized Git for version control throughout the project.
- **Technologies used** : Flask, MongoDB, Bootstrap, Codechef's API, Jinja, JS, Git
- Link - <https://github.com/vishvanath45/CodeHike>

Projects

Chrome extension for searching over FTP servers — GSoC Heat

Contributed to development of Fearch : a chrome extension for searching files over FTP, during an event conducted by the open source Society of my Institute. Secured first position in the event.

Link - <https://github.com/vishvanath45/Fearch>

Facial recognition based laptop Security Mechanism

Developed a face recognition algorithm using Logistic Regression and Classification. Developed in Python, achieved 94.7% accuracy using self curated dataset containing 900+ images.

Link - <https://github.com/vishvanath45/Face-Recognition-from-scratch>

Activities

- **ACM-ICPC** — Ranked 312 among 3000 teams at Gwalior region
- **REcursion Programming Club Convener** — Member (Present)

Online Profiles

- Github : github.com/vishvanath45
- CodeForces (**Specialist**) : codeforces.com/profile/v_ns
- Codechef (**4 Star**) : codechef.com/users/v_ns