Mayank

Profile-Link | Linkedin-Link
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EDUCATION

MSIT | GGSIPU UNIVERSITY
B.Tech in Computer Science
2016 - 2020 | New Delhi, India
CGPA: 8.7 / 10.0

LITTLE FLOWER SR. SEC. PUBLIC SCHOOL | CBSE
Senior Secondary
2014 - 2015 | New Delhi, India
Percentage: 92.8%

LINKS

Github:// **may98ank**
Codechef:// **may98ank**
Codeforces:// **agno_3**
Leetcode:// **mayankgupta978**
Hackerrank:// **mayankgupta978**
Stopstalk:// **agno3**

SKILLS

PROGRAMMING
Proficient:

- C++, Python, JavaScript, Data Structure and Algorithms

Intermediate:

- Java, Bash, MySQL, Machine Learning, Web Development

Familiar:

- Go, Spring-Boot, MongoDB, Web Scrapping with headless browsers.

FRAMEWORKS & TOOLS
Machine Learning:

- OpenCV, PyTorch, sklearn, pandas, numpy, Keras, Jupyter

Web/Software Development:

- NodeJS, Flask, Bootstrap, HTML, CSS, Docker, Ansible, CMake, Linux, AWS, computer networking, CI/CD, GIT

Resource Monitoring Tools:

- Grafana, Prometheus, cAdvisor, DockerAPI

EXPERIENCE

TCS | Systems Engineer
Nov 2020 - Present | New Delhi, India

GUAVUS- A THALES COMPANY | Development Engineering Intern
Feb 2020 – Oct 2020 | New Delhi, India

- **Resource Analyzer:** Explored and designed tools to extract and analyze system and container resource utilization data using python.
- Solving product deployment and installation problems using ansible and RPMs.
- **Data pipeline:** Accounted for writing data warehousing functionalities in Go over the shh and sftp connections.

GITALL | Backend Intern
Jun 2018 – Sep 2018 | New Delhi, India

- **Search Engine:** Responsible for writing interactive Search Engine and Optimized database queries in Django and MySQL.
- **APIs:** Involved in creating multiple minor APIs in their website using Django, python and JavaScript, HTML and CSS.

RESEARCH & PROJECTS

HANDWRITTEN MATHEMATICAL EXPRESSION RECOGNIZER
Project-Code
Convert your handwritten equations to MathML to embed them directly in the documents.

- Uses transfer learning with CNN as Encoder and Attention Network as decoder to generate MathML of the input image of handwritten mathematical expression.
- Project is designed and implemented in Python with PyTorch Framework.

CAMPING HUB Project-Code | Website
Best place to find and post new holiday and camping destinations, see pricing, and post comments.

- It is a deployed website written in NodeJS, JavaScript, Bootstrap, HTML, and CSS with MongoDB database for flexible, and optimized queries.
- Website allows user to register and login through passportjs.
- Website manage CRUD operations for posts and comments using Restful APIs.

OTHER PROJECTS (Link)

- **Blog App** - A blog application written in NodeJS, JavaScript, HTML, CSS, SementicUI and MongoDB.
- **Image Recovery Application** - Written in C, to recover deleted images from memory.
- **Image Captioning Model** - ML model to create captions for images. Refer to the (**link**) for code and other projects.

ACHIEVEMENTS

Year	Achievement	Event
2019	National Rank under 150	ACM ICPC Amritapuri Regionals
2020	Global Rank 460	Codechef Cook-Off Challenge
2019	National Rank under 1500/55000	TCS CodeVita 2019
2019	3 time Global Rank under 1500	Google Kickstart 2019
2020	Global Rating 3 Stars	Best Rating on codechef
2020	Global Rank 89th	Topcoder SRM Jun 2019