Jatin Jangir

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EDUCATION

Degree	Institute	CGPA	Year
M.Tech. (CSE)	Indian Institute of Technology, Kanpur	9 (Current)	2024-Present
B.Tech. (CSE)	RCOEM, Nagpur	9.00	2019-2023

EXPERIENCE

- **Devtron** *Jan 2023 - July 2024*
  DevOps Engineer Gurugram
  - **Removed the dependencies on namespaces in installation**
  - Improved the CI-CD flow with help **Github actions**
  - Directly work with clients to resolve their issues in kubernetes
  - Consult clients for implementing and upgrading their Kubernetes cluster on EKS, AKS.
  - **Reduced the size of Docker Image by 25%(approx)** for the various microservices .
  - **Upgraded AKS and EKS clusters** to newer kubernetes versions.
  - Setup **Log-Monitoring** system for reducing 4xx and 5xx errors.
  - Improved the **migration process of SQL files** in database
  - Create **kubernetes** cluster on raspberry Pi
  - Improved the **helm chart** for integrating different tools and Kubernetes resources.
  - Added **Opensource contribution in MicroK8s** for integration devtron.

- **PrimaThink Technologies Pvt.Ltd** *Sept 2021 - Nov 2021*
  Web Developer Intern Remote

PROJECTS

- **Logminder** *Sept - Nov 2023*
  Technology: Python, ML, Kubernetes, Docker and Postgres. Github
  - Logminder monitors log files from Kubernetes pods,
  - Extracts important metrics related to log errors.
  - Identifying anomalies and tracking key events within the Kubernetes environment. Doc-Link

- **Namespace-crawler** *Aug 2024*
  Technology: Kubernetes, Docker and Golang. Github
  - It is designed to **replicate Objects across specified namespaces**
  - Handle creation, deletion and updates of Objects on Diff.

- **Play 2048 game with AI** *May 2023*
  Hill-Climbing, Evaluating Function Github
- **Dynamic Audience Reaction Prediction ApplicatioN (DARPAN)** *Sept - Dec 2022*
  Technology: Python, YouTube API, HTML and CSS. Github
  - Predicting the audience reaction on a particular video topic on YouTube
  - Developing a better algorithm for relevant search results on YouTube.

- **Big Data Analysis on Epidemic Data (Machine Learning on COVID-19)** *Jan - May '2022*
  Technology: Python, PySpark, Fbprophet, PHP, HTML and CSS. Research Paper Certificate
  - Using ML Algorithm on historic data of COVID we can predict outcomes in particular area.
  - These demo-graphical information is showed on web-page using PHP.

KEY COURSES TAKEN

- Data Structure, Algorithms, DBMS, Data Mining, Introduction to ML, Big Data, Cloud Computing, Programming for Performance, Parallel Algorithms, Web Services, Operating System, Compiler design,.

TECHNICAL SKILLS

- **Programming:** Bash, C/C++, Python, Go, JavaScript, SQL
- **Tools & OS:** Git, Linux, Docker, Kubernetes, Helm, AWS, GCP, Azure, Git, github-actions, Postgres, MicroK8s, CUDA, intel Vector Intrinsics

POSITIONS OF RESPONSIBILITY

- **Teachers Assistant** for course "Into to ML" CS771, "Randomized Algorithm" CS648. CSE, IIT Kanpur
- **Company Placement Coordinator,** Student Placement Office, IIT Kanpur
- **Orientation Team Member** ICS, IIT Kanpur

ACHIEVEMENTS

- **GATE AIR 236 in 2024** and AIR 1766 in 2022.
- **Finalist** in Smart India Hackathon. Selected among 2 lakh+ students from more than 2,000 institutions participated
- **College Technical Cup 2022** 1st rank in Technical Round.
- **2nd position in College Table-Tennis Tournament 2019**

CERTIFICATIONS

- **AWS Academy Graduate** Digital-badge-link and certificate-link
- **CKAD - Linux Foundation** Credential-ID:"LF-qmi65r51yc" certificate-link
- **CKA - Linux Foundation** Credential-ID:"LF-zrrf01xc9i" certificate-link
- **Cisco - Cybersecurity Essentials** Badge-link