Divakar Lakhera

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EDUCATION

NIT UTTARAKHAND
B.Tech in Computer Science
Expected May 2022
Cum. GPA: 8.33 / 10.0
Major GPA: 9.8 / 10.0

KENDRIYA VIDHYALAYA OLF
SEN. SECONDARY
Apr 2017 | Raipur,Dehradun
Percentage: 92

SKILLS

LANGUAGES
C++• Python • C • Java

SKILLS
• Backend-Development
• Machine Learning
• Competitive Programming

TECH-STACK
• Flask •Docker •Snowflake
•Redis •AWS S3 •AWS Lambda
•AWS Step Functions•unittest
•Kafka •Elastic Search
• MySQL • Firebase •GitLab
•Postgres • PHP & JS

OPERATING SYSTEMS
Linux • Windows

PROFILES

Github:// divakar-lakhera
LinkedIn:// divakar-lakhera-6a293617a
CodeChef:// h1s3nb3rg
Quora:// Divakar-Lakhera

KEY COURSES

COMPUTER SCIENCE
Data Structures and Program Design
Machine Learning
Analysis of Algorithms
Object-Oriented Methodology
Theory of Computation
Operating Systems

MATHEMATICS
Probability and Numerical Methods
Linear Algebra
Discrete Mathematics

EXPERIENCE

SAMSUNG R&D INSTITUTE | Software Engineer Intern
July 2021 - Current | Bangalore, Karnataka
• Implemented **knowledge graph** support for devices using modified NLTK for NER operations and used Spacy for better message structure detection.
• Wrote a **co-relation module** for knowledge-graph engine.

INNOVACCER | Software Development Engineer Intern
May 2021 - July 2021 | Noida, UttarPradesh
• Introduced **snowflake** in their global data sync modules, hence **adding support for snowflake CRUD operations** at backend
• Implemented **bulk write feature** for data-sync API reducing load on the API by more than 50%
• Wrote **unit-test** for implemented code,ended up patching multiple bugs in data dump services
• Integrated and tested different types of databases like **Redis, Snowflake, PostgreSQL** and **Redshift**
• Built **AWS Step Functions** to automatically sync latest data to AWS Redshift and fixed about 14 different **AWS Lambda functions**
• Tested and integrated **ElasticSearch sink** in **Kafka** pipeline and implemented **monitoring interface** for Kafka in Python

ALORINE | Full-Stack Web Developer
Jun 2019 - July 2019 | Jaipur, Rajasthan
• Developed features**(views counter ,subscription system)** and patched bugs. Also optimised website for faster load time by 60 %

PROJECTS

MINIMAL OPERATING SYSTEM KERNEL | System Programming
• Goal of this project is to build a basic minimal monolithic kernel (x86 arch) from scratch to get a deeper understanding of Operating systems.
• Implemented - Basic VGA driver, Global Descriptor Tables(GDT), Interrupt Descriptor Table (IDT), Interrupt/Fault Handlers, Clock Driver,Paging (4KB Pages with PageFault Handler) for the kernel.

TWITTER SENTIMENT ANALYSIS | NLP & Web Development
• Analyses tweets and then gives overall distribution of sentiment.Backend of the project is deployed to Heroku Cloud Service and Frontend is deployed on Google Firebase, each of them communicating with APIs written in Flask.Link to latest **live version.**

ACHIEVEMENTS

Jun 2021	Top 100 in India	**Finalist at HackWithInfy** by Infosys
Feb 2020	Winner 1st	**Makeathon 2.0 Hackathon** by TIET, Patiala
Aug 2019	Winner 1st	**NIT Conclave 9th Edition** by NIT Rourkela
July 2020	147th Global Rank	**HackerEarth July Easy '20**
May 2020	117th Global Rank	**May Lunchtime 2020** by CodeChef
Mar 2021	202th Global Rank	**Reply Code Challenge 2021**
Feb 2021	3301th Global Rank	**Google Hashcode Quals 2021**
Oct 2020	Contributed in 7 OSPs	**HacktoberFest'20** by Digital Ocean
Oct 2019	Contributed in 4 OSPs	**HacktoberFest'19** by Digital Ocean.