Abhishek Kumar

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EDUCATION

IIT JODHPUR
B.Tech in Material Engineering
Expected May 2024
Jodhpur, India
CGPA : 7.8/10

GANDHI NAGAR PUBLIC SCHOOL
Class 12 | CBSE | May 2019
Percentage : 95%

Class 10 | CBSE | May 2017
CGPA : 10/10

LINKS

- Github :// **A158-debug**
- LinkedIn:// **abhishek-kumar**
- Portfolio:// **abhishek-portfolio**
- Medium:// **@ak9836919**
- Leetcode:// **abhishek**

COURSEWORK

- Data Structures and Algorithms
- Into to Machine Learning
- Intro to Computer Science
- Linear Algebra and Calculus
- Operating Systems
- Scientific Computations
- Database Management Systems
- Computer Networks

SKILLS

PROGRAMMING

- Python
- Javascript
- SQL
- OOPs
- C/C++

DEVELOPMENT

- React
- Redux
- NodeJS
- Flask
- MongoDB
- PostgreSQL
- HTML/CSS
- Tailwind CSS

TECHNOLOGIES

- AWS • Microsoft Azure
- Terraform
- Linux shell utilities
- GitHub Actions
- Docker

EXPERIENCE

KLOUDSTAC | Cloud Developer Intern
June 2023 - Aug 2023

- Deploy the production grade generative AI chatbot on Azure cloud platform.
- Configured and integrated **Azure Cognitive Search**, **Azure Form Recognizer** and **Azure OpenAI** as key components of the chatbot solution, enabling natural language processing capabilities and information retrieval.
- Deployed and managed virtual machines (VMs) on the Azure Cloud, ensuring optimal performance and resource utilization.

NOVEALTHY INNOVATIONS | Full Stack Intern
Jan 2022 - April 2022 | InfluxDB, React, Python, PostgreSQL

- Collaborated in a **6-member team** to design and develop comprehensive dashboards using **React** for visualizing and analyzing IoT device data.
- Built **APIs** in Flask to seamlessly retrieve and manage data from PostgreSQL.
- Implemented advanced filtering and streamlined screening features with tagging, allowing users to quickly focus on specific data subsets of interest.
- Created Flux scripts to **generate automatic alerts** based on predefined conditions, proactively notifying users of potential issues or areas requiring attention.

PROJECTS

CONNECTIFY | Fullstack Developer | Github ↗

- Developed a **production grade** Social Media application. Enabling users to perform CRUD operation along with like, search and comment functionality.
- To ensure smooth user interactions, I employed Redux for efficient **state management** and **Redux Thunk** as middleware to manage asynchronous operations ensuring the responsiveness and robustness.
- Added functionality of Google-SingIn for user using **Google OAuth**.
- Integrated **JWT Authentication** and an API framework for the website to create smooth user experiences.

CUSTOMER-SENTIX | MLOPs Project | Github ↗

- Developed and deployed a production ready MLOps pipeline using **Zenml** to predict the **customer satisfaction scores** for future product orders.
- Used the Brazilian E-Commerce Public Dataset of **115,000 users**, which includes data on customer purchases, product ratings, and demographics, to train a Linear Regression model for prediction.
- Implemented **MLflow** to track the parameters, metrics, and performance of model in production and identify any potential problems.

HUGGING FACE'S TRANSFORMERS LLM | Github ↗

- Implemented Hugging Face's Transformers library with Gradio to construct interactive web-based applications for quick **text summarization**, **Image Generation** and **Image Captioning**.

ACHIEVEMENTS & EXTRACURRICULAR

- Among top **1%** in 1.1 million students in JEE Examination.
- Represented IIT Jodhpur in **Inter IIT Techmeet Meet**'10 at **IIT Kanpur**.
- **Web Development Head** | Student Placement Cell IIT Jodhpur.
- **Web Development Head** | TEDx IIT Jodhpur | Live ↗