AKSHAT AWASTHI

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Education

Dr. A.P.J. Abdul Kalam Technical University Nov 2021 – Present
Bachelor of Technology in CSE(AI) (CGPA: 7.3) *Ghaziabad, UP*

M.V. Convent Inter College June 2021
CBSE Senior Secondary School(12th) (70%) *Prayagraj, UP*

Kendriya Vidyalaya No. 2 April 2018
CBSE Secondary School(10th) (86%) *Port Blair, Andaman and Nicobar islands*

Experience

YBI FOUNDATIONS August 2022
Data Analyst Intern *Ghaziabad, UP*
- Utilized Python and machine learning to predict heart disease, achieving an accuracy improvement of 15%.
- Conducted data preprocessing and feature selection, reducing data size by 10%.

Projects

My Hostel | *React, TailwindCSS, SpringBoot, Machine Learning* Mar 2024 – Present
- Developed a hostel management system capable of supporting 200+ students, integrating features for mess operations, attendance tracking via facial recognition, complaint registration, online leave applications, and feedback collection.
- Created the frontend using ReactJS and TailwindCSS, increasing user engagement potential.
- Implemented machine learning algorithms for menu personalization, sentiment analysis, and facial recognition, aiming for a 40% system accuracy improvement.

SyncHub | *React, Node, Express, MongoDB, Socket.IO* Dec 2023 – Feb 2024
- Developed a real-time collaborative coding platform designed to support up to 10 active users for remote teamwork and pair programming.
- Designed the frontend interface with React, which can improve user interaction and code editing efficiency.
- Built backend services with Node.js and Express, managing data with MongoDB, to achieve a 20% faster data retrieval time.
- Implemented real-time communication using Socket.IO, reducing latency by 15%.

PyCloudOps | *Python, AWS, Docker, Kubernetes* Feb 2024 – Mar 2024
- Created a monitoring application in Python using Flask and Psutil to improve system resource tracking by 50%.
- Containerized the application using Docker, reducing deployment time by 35%.
- Orchestrated deployment on Kubernetes, leveraging AWS ECR, to improve resource management efficiency by 40%.

Technical Skills

Languages: C++, Core Java, Python, JavaScript, SQL
Technologies/Frameworks: HTML/CSS, Tailwind CSS, React.js, Linux, GitHub
Database: MySQL
Developer Tools: VS Code, Docker, Kubernetes, AWS Cloud Platform, Git, Postman, Firebase

Certificates

AWS Cloud Technical Essentials October 2023
Coursera

Position of Responsibility

College Cultural Fest (Epoque'23) March 2023
Coordinator *KIET Group of Institutions*
- Coordinated efforts between the IR and PR teams, managing a team of 5 and overseeing the entry of 500+ students.

College Tech Fest (Innotech'22) November 2022
Coordinator *KIET Group of Institutions*
- Managed entry logistics, distributed IDs to 300+ participants, allocated prizes worth 50,000 Rs, and ensured resource availability.