Aditya Sharma

Roll No.: R2142210053
Bachelors in Technology
Cloud Computing and Virtualization Technology
University of Petroleum and Energy Studies, Dehradun

📞 +91-7428025402
✉ devganaditya@email.com
✉ 500093618@stu.upes.ac.in
 GitHub Profile
 LinkedIn Profile

EDUCATION

•University of Petroleum and Energy Studies, Dehradun *Sep 2021-May 2025*
B.Tech Honors Computer Science and Engineering CGPA/Percentage: 8.41

• Deen Bandu Public School, Delhi *2020-2021*
Central Board of Secondary Education(CBSE), Delhi CGPA/Percentage: 81.6

•New Sainik Public School, Delhi *2019-2020*
Central Board of Secondary Education(CBSE), Delhi CGPA/Percentage: 94

EXPERIENCE

•Southern Federal University *Nov 2023-Jan 2024*
Remote Intern Russia
- Technology Stack - SQL, Microsoft SQL Server Management Studio
- Completed a comprehensive training on Advanced Database and Management Systems.
- Developed a modern relational database for movies data management, utilizing optimized views, and efficient stored procedures to ensure data integrity and performance.
- Conducted performance tuning and optimization of SQL queries to enhance database efficiency.

•Navjyoti India Foundation *Jun 2022-Jul 2022*
Social Intern / Content Developer Gurgaon
- Developed a comprehensive training module for village artisans to promote digital literacy and digital marketing.
- Conducted workshops to foster digital leadership among women artisans.
- Educated artisans on online safety, cyber-security, and informed decision-making.

PERSONAL PROJECTS

•Linguify *Feb 2024-May 2024*

A secure and highly available AWS-Based Web Application

- Tools & technologies used: Cognito, Lambda, AWS Web-App Firewall, AWS API-Gateway, Virtual Private Cloud, Amplify, Code-Commit, DynamoDB, S3, Cloud-watch, Postman
- Features include Text-to-Speech Conversion, Sentiment Analysis, Text Translation, Image-to-Text Extraction.
- Ensured scalability, security, and high performance using serverless architecture.
- GitHub Link

•Doctor Allocation and Registration Tracking System *Jan 2024-May 2024*

A cloud-based web-application for automating Patient-Intake and Doctor Allocation

- Tools & technologies used: Java, Spring-Boot, MySQL, SckitLearn, Gradle, Postman
- Automated patient intake using QR codes to streamline form filling and reduce wait times.
- Implemented intelligent resource management with real-time tracking of doctors and beds to optimize allocation.
- Utilized decision trees based on patient symptoms to assign the most suitable doctor, enhancing care delivery.
- Utilized the Haversine formula to determine the nearest hospitals from a given location.
- GitHub Link

•Crime Harassment and Offense Registry *Aug 2023-Dec 2023*

A secure and comprehensive system to manage and visualize criminal data.

- Tools & technologies used: Java, Spark, MongoDB, Leaflet, Maven, Postman
- Analyzed historical data to predict yearly crime statistics using Linear Regression Algorithm.
- Utilized the open-source JavaScript library Leaflet for visualizing criminal trends on maps.
- Developed an interactive chat-bot to provide users with information about laws related to various crimes.
- GitHub Link

TECHNICAL SKILLS AND INTERESTS

Languages: C, C++, Python, Java
Developer Tools: Docker, Maven, Gradle, Postman
Frameworks: Spring-Boot, Spark
Cloud/Databases: AWS, Azure, MySQL, MongoDB, DynamoDB
Coursework: Data Structures and Algorithms, Operating Systems, Computer Networks, Database Management Systems, Cryptography
Areas of Interest: Cloud Computing

CERTIFICATIONS

- AWS Cloud Development
- AWS Cloud Architecting
- AWS Academy Cloud Web-Application Builder
- AWS Academy Cloud Security Foundations

ACHIEVEMENTS

•**Google Cloud Study Jams** : Completed comprehensive Google Cloud Certifications *Sep 2023*

•**2ND Position in IBM ICE Competition** : Presented Idea on Automated Medical Kiosk *Feb 2023*