

Adisakshya Chauhan

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Experienced **Senior Data Engineer** with a passion for computer technology and research. **Published author** with a diverse background in **architecting data and software solutions**, dedicated to leveraging innovative research to drive inspirational solutions that transcend industries and make a global impact.

Publications

- In Review **Chauhan, A.,** Sharma, B., Tomer, M., Chugh, M., & Wadhwa, A. (2022). Multi-document Text Summarization using Whale Swarm Optimization.
- 2021 **Chauhan, A.,** Sharma, B., Bansal, P., Chugh, M., Anand, P., Hua, Q., & Jain, A. (2021). Benchmarking geospatial database on Kubernetes cluster. EURASIP Journal on Advances in Signal Processing, 2021(1), 1-29.

Work Experience

 **ZS** *New Delhi*
SR. BIG DATA ENGINEER (BTS-ASSOCIATE CONSULTANT) 2021–Present

- Designing and implementing robust data engineering pipelines using **PySpark** and **AWS**, ensuring impeccable data quality and seamless data processing workflows.
- Crafting cutting-edge features aligned with client needs, **driving product-level enhancements** and successful release deployment.

 **Triveous** *Bangalore*
SOFTWARE DEVELOPMENT ENGINEER, INTERNSHIP 05/20–09/20

- Developed and deployed **event-driven microservices** on AWS ECS, including a scalable **notification system** using Redis, FCM, AWS SNS, SES, and SQS.
- Implemented an **image-caching service** for on-demand image manipulation and improving load time.
- Created an **automated status page** using Atlassian Statuspage, AWS CloudWatch Events, and Lambda for enhanced visibility.

 **Solve Foundation** *New Delhi*
TECHNICAL MENTOR 01/20–03/20

- Mentored the development of the National Science and Creativity Program (NSCP) web portal and mobile app, **overseeing front-end, back-end, APIs, and Android development**.
- Provided **technical guidance and code reviews** to ensure coding best practices and effective solutions for web and app development.
- Implemented analytics to **track and report NSCP website traffic and user engagement**, providing in-depth insights about website visitors.

 **Intellify** *New Delhi*
PYTHON & WEB DEVELOPER, INTERNSHIP 05/19–07/19

- Designed and developed a **collaborative-filtering quiz recommendation system** for ISCO, enhancing user experience and engagement.
- Implemented a **Python-based REST API** to compile, analyze, and present ISCO results, providing comprehensive and accessible data for evaluation.


 **ByteScare** *Noida*
SOFTWARE DEVELOPMENT ENGINEER, INTERNSHIP 03/19–08/19

- Automated the process of **piracy data collection and take-down procedures** for content creators, improving efficiency and reducing manual effort.
- Developed and implemented an **NLP algorithm** to classify and monitor email conversations for take-down requests, improving efficiency and accuracy in handling content piracy issues.


Education

 **Bachelor of Technology in Computer Science and Engineering (B.Tech CSE)** *New Delhi*
MAHARAJA SURAJMAL INSTITUTE OF TECHNOLOGY 2017–2021

- Graduated with **CGPA of 9.45/10**

 **Senior Secondary Education (10+2)** *Pachmarhi*
CENTRAL BOARD OF SECONDARY EDUCATION 2015–2016

- Subjects: Physics, Chemistry, Mathematics with Computer Science
- Passed with **percentage : 88.4%**

 **High School (10th)** *Tezpur*
CENTRAL BOARD OF SECONDARY EDUCATION 2013–2014

- Passed with **CGPA : 9.8/10**

Achievements & Certifications

- 2022 **Neo4j Certified Professional**, test score - 91%.
- Analyzing Big Data with SQL Certification**, developed proficiency with distributed SQL engines for effective analysis and querying of large-scale datasets.
- 2021 **Google IT Automation Professional Certificate**, equipped with the skills to implement automation at scale.
- 2020 **Amazon Web Services (AWS) Specialization**, developed strong proficiency with essential and core AWS services.
- 2020 **100 Percentile**, in AMCAT exam for computer science.
- Academic Excellence**, 1st Position in 2018-19 academic session, B.Tech CSE - Maharaja Surajmal Institute of Technology.
- 2019 **Nationwide Success**, 1st Runner up Infosys Digital Makeathon 2.0 Chandigarh DC.
- 2019 **NPTEL Elite Certification**, for Data Structures and Algorithm using Python. Ranked in the Top 5% scorers.

Skills

Programming

Python, SQL, Shell, TypeScript, Javascript, C++, C, GraphQL, Latex

Technologies

PySpark, AWS, Docker, Kubernetes, Ansible, Nginx, Jenkins, Travis CI, Node.js, Redis, Firebase, Elasticsearch, Jira, GCP, Google Analytics, Google Search Console, Google Page Speed Insights, Lighthouse

Frameworks

Flask, Django, ExpressJS, NestJS, Electron, Bootstrap, JUnit, PyTest

Version Control

Git, GitHub, Bitbucket, GitLab

Database

PostgreSQL, Neo4j, AWS RDS, AWS DynamoDB, MongoDB

Languages

English, Hindi, French