

Akash Dayanand Chavan

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ACADEMIC QUALIFICATIONS

Year	Degree/Certificate	Institute	CPI/%
2018 - Present	B.Tech, Computer Science and Engineering	Indian Institute of Technology Kanpur	6.0/10
2018	Class XII	KLE Independent PU college (Karnataka)	88%
2016	Class X	Dilshuknagar Public School (Telangana)	9.2/10

WORK EXPERIENCE

Innovaccer | Python Developer Intern (May'21 - Sep'22)

Received **PPO** for exceptional performance amongst **110 interns**

Integration of ETL (Extract, Transform and Load)

- Implemented a **microservice for synchronous and asynchronous logging of ETL** for a data platform with the **error logs** and unique ID
- Designed a utility to ETL that gives user a choice to **resume** a previously **failed ETL operation** from the point of failure
- Designed a **git comparator feature** that compared git tags to resume the ETL process based on the **git difference**
- Reduced** the compiling and **execution time** of the ETL by nearly **24%**

Data Transfer Elasticsearch to Database

- Developed a script to **extract data** from **Elasticsearch**, alter it in demanded format and **populate** it in the database for the dashboard
- Used **scroll** method of Elasticsearch to **retrieve large data sets** in smaller chunks to **avoid errors**, **integrated** this feature to databases like **Postgres, Redshift, Snowflake**
- Added **logging and email** functionality to notify users about any errors

Dashboard Validator PowerBI DAX to SQL

- Implemented an automated orchestra to convert **DAX query to SQL**
- Looped through each **KPI** in dashboard to capture its DAX query and interact with the **PowerBI data model** to get the **joins**

Smurfo House | Front-End Developer (May'20 - Jul'20)

- Developed **front-end** of the website using **HTML, Bootstrap, JS**
- Enhanced **user experience** and accomplished webpage objective by creating **site structure, navigation**, improved web functionality
- Automated Scraping data** from social media websites every 10 minutes in order to update **real-time scores** of an online competition

SKILLS

- Programming Languages:** Python , C, C++
- Python Libraries:** Pandas , Numpy, Matplotlib, opencv
- Web:** HTML5, CSS, JavaScript, PHP , Bootstrap , JQuery, JSON
- DBMS:** SQL(Postgresql, Snowflake, Redshift)
- Software and Utilities:** MS Office, git, RASA, Ulpath RPA, \LaTeX
- Operating System:** Windows, linux (Ubuntu)

RELEVANT COURSES

Advanced Algorithms	Data Structure and Algorithms
Data Mining	Principles Of Database Systems
Computer Networking	Software Development and Ops
Computer Organization	Operating Systems
Fundamentals of Computing	Discrete Mathematics

SCHOLASTIC ACHIEVEMENTS

- All India Category Rank 72** and **AIR 4816** in JEE Advanced '18 among the **0.2 million** shortlisted candidates
- Secured **second position** in **Inter-School Banking and Maths quiz** organized by **Central Bank of India**, Hyderabad

PROJECTS

DigiSchool Course Project (Jan'22 - May'22)

CS253: Software Development And Ops, Mentor: Dr. Indranil Saha

- Built a **digital platform** for all academic-related activities to ease the online mode of education, keep offline work systematised
- Implemented features like **OTP authentication** for teachers and admin, class monitoring, tests, assignments, student engagement via forums
- Added a segment to **track and analyse student's performance** concerning other students to show visualisations
- Used technology like **HTML, JavaScript, Bootstrap, CSS** for front-end and **Django and Python** for back-end, **SQLite3** for database

Amazon Clone Self Project (May'21 - July'21)

- Implemented a **clone of amazon** for end to end understanding of all the components of infrastructure and responsibility within a web application
- Developed front-end with **react**, using **redux** as state management tool
- Integrated with **Firebase authentication** for sign-up and sign-in functionality and **Stripe API** for payment functionality in the app
- used **Express library** to implement server and integrated with **firebase, NoSQL** for persisting information about products and orders

DBMS Course Project (Mar'21 - Apr'21)

CS315: Principles Of DBMS, Mentor: Dr. Arnab Bhattacharya

- Analysed the performance of multiple **database management systems** like **SQLite3, MariaDB, MongoDB** by querying on data sets of varying sizes under different conditions
- Compared the effect of indexing on database performance in MariaDB

Death Analysis of India Course Project (Sep'21 - Dec'21)

CS685: Data Mining, Mentor: Dr. Arnab Bhattacharya

- Identified and extracted data from a **variety of sources and formats**, performed **analysis** on different states/cities to get more **insights**
- Created charts to perform **preliminary analysis** and **visualize** data using Matplotlib and anticipated future number of deaths
- Identified the major **reasons/motivations** for **deaths and suicides** in different regions of the country and documented a detailed report on it

Modeling & Predicting Popularity (Jun'20 - Jul'20)

Online Project: Linear Regression and Modelling, Duke University

- Applied **Multiple Linear Regression** on a random sample of 651 movies to predict its popularity
- Completed **Exploratory Data Analysis** with **Visual Statistical Methods** & implemented **step-wise model** with R^2 and **P value** as metrics
- Predicted the popularity of test data with R^2 of **0.8847** using 3 variables

EXTRA-CURRICULAR

Organizer, Dance Events, Antaragni'20 (Jun'20 - May'21)

Secretary, Dance Club (Apr'19 - Apr'20)

Antaragni'22: Secured **2nd** position in dance competition amongst 30 teams

Inter IIT Cult Meet'19: Secured **1st** position in dance and **2nd** in dance battle

Inter IIT Cult Meet'18: Secured **Third** position in dance battle
District-level hockey: Participated in a district-level hockey match in 2017