



**Aviral Yadav**

Roll No.: 19020568009

B.S. Statistics (H)

University of Delhi

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## EDUCATION

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- **University of Delhi, Delhi** 2022  
*B.S. Statistics (H)* CGPA: 8.71/10
- **City Montessori School, Lucknow** 2018  
*ISC* Percentage: 96.5%
- **City Montessori School, Lucknow** 2016  
*ICSE* Percentage: 96%

## PERSONAL PROJECTS

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- **MachArrow Airlines** Oct 2023  
*A back-end flight service application built upon the robust MVC architecture* Github
  - Implemented real-time seat booking transaction.
  - Implemented centralised CRUD operations, secured by JWT, accessible to each model.
  - Implemented automated data validation and response object formatting
  - Implemented robust error handling via Winston logger and custom error class.
  - Tools & technologies used: *Express.js, Sequelize, JWT, Winston, CORS*
- **Zoo Central** Oct 2023  
*A Social Media blogging platform with user-centric capabilities.* Github
  - Implemented user-centric features like favourite article, follow author, article tags and dynamic comments.
  - Implemented signup and login with password hashing using Bcrypt
  - Implemented paginated and personalised feed of article
  - Implemented JWT for secure access to CRUD operations and Slugify for user-friendly URL
  - Tools & technologies used: *Express.js, Mongoose, JWT, Bcrypt, Slugify, CORS*

## TECHNICAL SKILLS AND INTERESTS

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**Languages:** C++, Javascript

**Technology:** Express.js, Mongoose, Sequelize, JWT, Winston, Bcrypt, CORS

**Databases:** MongoDB, MySQL

**Developer Tools:** Bash, npm, Postman

**Areas of Interest:** Mathematics, Algorithms

## CERTIFICATIONS

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- **MongoDB with Node.js**, MongoDB University Github
  - implemented CRUD, Transactions, Aggregations and Indexing in Node.js
  - hands-on experience with MongoDB Atlas

## POSITIONS OF RESPONSIBILITY

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- **Tech Head**, Department of Statistics Jul 2020 - Jun 2021
  - Headed a team of 12 juniors across 2 levels
  - Organised Departmental Fest and Statistics Conferences in collaboration with UGC.
  - In 4 weeks, evolved from the onboarding and training stage to a streamlined process of 4 teams producing 8 illustrative charts on Statistical concepts per week.

## ACHIEVEMENTS

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- **Department Rank 1**, Semester III and IV
- **Rank 2**, Mood Indigo, IITB, Short Film-making Competition Dec, 2019