



**Aviral Yadav**  
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## EDUCATION

- **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

- **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** Sept 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*
- **API Testing** Sept 2023  
*I tested API calls of critical points of a live B2B product.* Github
  - Rigorously tested request object including authentication, payload
  - Simulated happy flow of two most critical feature of the product
  - Tools & technologies used: *Cypress, Postman*

## TECHNICAL SKILLS AND INTERESTS

**Languages:** C++, Javascript  
**Technology:** Express.js, Mongoose, Sequelize, JWT, Winston  
**Databases:** MongoDB, MySQL  
**Developer Tools:** Cypress, Postman, Bash  
**Areas of Interest:** Mathematics, Fintech, Healthcare

## CERTIFICATIONS

- **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

- **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 2 reviewed articles per week

## ACHIEVEMENTS

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