Aviral Yadav

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B.S. Statistics (H)
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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**   *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

Languages: C++, Javascript
Technology: Express.js, Mongoose, Sequelize, JWT, Winston, Bcyrpt, CORS
Databases: MongoDB, MySQL
Developer Tools: Bash, npm, Postman
Areas of Interest: Mathematics, Algorithms

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 8 illustrative charts on Statistical concepts per week.

ACHIEVEMENTS

- **Department Rank 1,** Semester III and IV

- **Rank 2, Mood Indigo, IITB,** Short Film-making Competition   *Dec, 2019*