

Danial Ahmad

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Skills

Frameworks: Express, NestJS

Languages: Python , JavaScript , HTML, CSS, SQL ,

Tools: React, Node , PostgreSQL, Git, GitHub, MongoDB

Experience

Intern, NETSOL

Feb 2025 – April 2025

- Built a full stack application from the ground up using **JavaScript, React** and **PostgreSQL**.
- Developed **user authentication** features including sign-up, login, and secure session handling.
- Integrated **audio input** functionality to enable voice-driven CRUD interactions

Backend Intern, Brackets Oct 2024 – Jan 2025

- Created secure, **RESTful API** endpoints and backend logic using **Express.js** and **NestJS** and **MongoDB**.
- Implemented secure **user authentication** using **PassportJS**.
- Used **Git** and **GitHub** for version control, code collaboration, and workflow management.

Projects

Helmet Detection System(Final Year Project)

- Developed and trained a **YOLO v4** model for real-time detection of bike riders wearing helmets using **Python**.
- Achieved **90% accuracy** using transfer learning and fine-tuning of pre-trained weights.
- Preprocessed data by applying **noise reduction** techniques to improve model accuracy and minimize overfitting.

Education

UET – Bachelors in Computer Science (**3.42/4.0**)