RISHABH TIWARI

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Rishi-0019

EDUCATION

Abdul Kalam Technical University, Lucknow   Lucknow, B.Tech
Bachelor of Technology   September 2024 – August 2028

SKILLS SUMMARY

- **Frameworks**   : Pandas, Plotly, TenserFlow
- **Platforms**   : Visual Studio Code, IntelliJ IDEA, Jupiter Notebook
- **Frontend**
  - **Language & Markup**   : HTML5, CSS, JavaScript, Typescript
  - **Framework & Libraries** : Bootstrap, Tailwind CSS, SASS
  - **Responsive Design**   : Cross-browser compatibility, Mobile-first design, Responsive Web Design
  - **UI/UX**   : Animation(2D/3D), Web & Graphic Design principles
- **Backend**
  - **Languages**   : Python, JAVA, C
  - **Core Concepts**   : RESTful APIs, OOP, Authentication
  - **Tools & Tech**   :   Git, GitHub. Firebase (Auth, Firestore)
  - **Database**   : MySQL, SQLAlchemy, PostgreSQL, MongoDb

PROJETS

AstroTrack | LINK   April 2025 – Present

- Developed a full-stack satellite tracking web app using **React**, **TypeScript**, **Firebase**, and **PostgreSQL** to visualize real-time space-based data.
- Integrated **predictive AI models** for satellite trajectory estimation and orbital path forecasting.
- Designed and implemented secure user features with **custom UI components** using **Tailwind CSS**.
- Focused on **real-time rendering**, **authentication**, and **scalable backend architecture** for efficient data handling and user management.

3D-Cloud Tracking System | LINK   December 2025 – Present

- Developed a 3D interactive Earth model to visualize **real-time cloud movement** using satellite data (INSAT-3DR/3DS)
- Used **Three.js** and **WebGL** for immersive, smooth rendering of dynamic atmospheric patterns
- Integrated **live weather APIs** and added basic prediction logic to forecast cloud paths
- Focused on **accuracy**, **visual clarity**, and **educational value** for meteorology and research use.

CERTIFICATES

Certificate Of Excellence in JAVA- Coding Ninjas | CERTIFICATE

- *Awarded for outstanding performance in object-oriented programming and core Java concepts.*

Certificate Of Excellence in Data Structure & Algorithm in JAVA- Coding Ninjas | CERTIFICATE

- *Built a strong foundation in algorithmic thinking, problem-solving, and competitive programming.*

Certificate Of Excellence in Web Development Fundamentals- Coding Ninjas | CERTIFICATE

- *Completed hands-on modules in HTML, CSS, JavaScript, and responsive design fundamentals*