

# MAYANK CHAUHAN

Indian Institute Of Information Technology, Kalyani

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GitHub Profile

LinkedIn Profile

## EDUCATION

### •Indian Institute of Information Technology, Kalyani

2020-2024

Btech in Computer Science and Engineering

### •Godwin Public School, Meerut

2018-2019

Higher Secondary

## EXPERIENCE

### • Bharat Electronics Limited

June, 2023 to July, 2023

Internship Trainee

Ghaziabad, Uttar Pradesh, India

- Exemplified mastery in Software Development Life Cycle within Network-Centric Systems: Thoroughly scrutinized methodologies and championed best practices for orchestrating software development projects in the realm of network-centric systems.
- Conducted an in-depth study on the functioning of Defense Systems, with a specific focus on the Radar Systems utilized by our Armed Forces. Studied how they are tested in Near Field Test Range(NFTR), which is a 100% indoor testing range for almost every raddar.
- Medium Range Surface to Air Missile (MR-SAM) and Revathi Raddar were the main projects.
- 100% of EVMs and VVPAT used during election are produced by Bharat Electronics Limited (BEL) and the Electronics Corporation of India Limited (ECIL).

## PROJECTS

### •Weather Forecasting using Multivariate Regression and LSTM

Dec, 2021-Oct'2022

- Tools & technologies used: Python3 and its libraries (numpy, pandas, matplotlib, Sklearn, Keras), Jupyter Notebook.
- The project aims to develop a weather forecasting system using ML techniques, specifically multivariate regression and LSTM model. By leveraging historical weather data sets of 21 years (2000-2020), the models will be trained to predict future weather conditions (temperature), enabling accurate and reliable weather forecasts with 98.93% in regression and 96.7% in the LSTM model.

### •Built a full-featured Twitter clone

- Tools & technologies used: NodeJS , React ,ExpressJS ,MongoDB.
- Developed a full-stack Twitter clone using NodeJS, ExpressJS, Added React to boost database storage efficiency for optimized write operations by 30% through efficient data handling.
- Enacted secure protected routes utilizing Firebase OAuth for user authentication, leading to a 20% increase in user engagement and a 25% reduction in unauthorized access.
- Leveraged Firebase data visualization to improve user interaction and search efficiency, resulting in a 30% reduction in search time. Simultaneously, designed a highly responsive and Created a CSS and HTML-based user interface succinctly.

## TECHNICAL SKILLS AND INTERESTS

**Languages:** C/C++, Python, JavaScript, HTML/CSS

**Development:** ReactJs, Express.js, Node.js, Tailwind css, Bootstrap

**Databases:** MongoDB, MySQL

**Libraries & Frameworks:** Pandas, Numpy, Matplotlib, Sklearn, Plotly, Tensorflow, PyTorch

## ACHIEVEMENTS

- **Uttar Pradesh Science Talent Search Examination (UPSTSE) Scholar.**
- **Sports.** - Bronze Medalist at All India Roller Skating Open Championship