



AKSHAT ASTHANA

Aspiring software engineer
Electronics Engineering
AKTU, Lucknow

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EDUCATION

Degree/Certificate	Institute	Year	Board/Uni
B.Tech.(Electronics)	Dr. APJ Abdul Kalam Technical University, Lucknow	2019-present	AKTU
Senior Secondary	Delhi Public Academy, Gwalior	2018-2019	CBSE
Secondary	No.1 Air Force School, Gwalior	2016-2017	CBSE

WORK HISTORY

• EMSEC(REMOTE)

September 2022-ONGOING

Software Developer

- Created the UI DASHBOARD for showcasing the attacks on Honeypot and Suggesting the resolution to clients using **MERN STACK**.
- used **React.JS** and **Material UI** for client facing development and **Express.JS** for writing the backend APIs.
- For using the data of the user, we have setup **MongoDB database** and for managing the packages and dependencies we have applied **NodeJS**.
- **GIT** and **GITHUB** for collaborative programming and version control.

• INDIAN INSTITUTE OF TECHNOLOGY KANPUR

April 2022-September 2022

Research and Development Intern

- Developed frontend user interface Dashboard using **React.JS** and configured **MySQL** to showcase the reading from the sensors and storing the data in the databases for further access.
- Executed with **JAVASCRIPT** to create the overall functioning of the Dashboard.
- **Embedded C** language for developing the sensors connectivity with software.
- Achieved approval from the top faculty at IIT KANPUR.
- Maintained a friendly and supportive atmosphere among the teammates.

PROJECTS

• WEBSITE DESIGNED FOR DPS PUBLIC SCHOOL

- Created an event website to showcase website as a project for DPS.
- Implemented **HTML5**, **CSS3**, **JAVASCRIPT** for developing the website.
- Utilized **GIT** for local and **GITHUB** for globally updating the code and Version Control.

• HOUSE PREDICTION MODEL

- Structured a model to predict and showcase the house rates according to the House Conditions.
- **PANDAS** for evaluating data and training
- **Logic Regression** as predicting algorithm.
- **Numpy** for Mathematical Calculations.
- **MATPLOTLIB** for visualizing the predicted data.

TECHNICAL SKILLS

- **Programming:** Python
- **Tools & OS:** Git, Jupyter Notebook, Google Collab, Windows
- **Libraries/Frameworks:** Pandas, Numpy, scikit-learn, Matplotlib, Sci-py
- **Web Skills:** HTML5, CSS3, JavaScript, ReactJS, Mongo DB, SQLite, Flask, RESTFUL APIs, Material UI, Express.JS, NodeJS.

ACHIVEMENTS

- **Achieved 1st Position in overall India** Health monitoring device Hackathon, IIT KANPUR and KULWANTI HOSPITAL. secured a project with IIT Kanpur. 2022
- **Lead team** as a Team Leader and completed an international client project on a crunch timeline and achieved star rating.

