



ATHARVA GUPTA

Roll No.: 22115037

B.Tech - Electrical Engineering

Indian Institute Of Technology, Roorkee

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech.	Indian Institute of Technology, Roorkee	7.824 (Current)	2022-Present
Senior Secondary	CBSE Board	92.0%	2022
Secondary	CBSE Board	92.2%	2020

PROJECTS

- **Building Pomodoro** Jan 2023
SYNTAX ERROR - HACKATHON Github
 - Developed a dynamic web application for time management to increase productivity.
 - Developed a customizable timer and a to-do list.
 - Designed interface to play music and change background according to the user's needs.
 - Languages used: HTML, CSS, Javascript.
- **ExploreSphere** Oct 2023
SYNTAX ERROR X - HACKATHON Github
 - Developed an android app for recommending travel sites via user input of travel budget, month of travel and description of place they want to visit.
 - Used firebase for authentication.
 - Developed and deployed a ML model for the same.
 - Integrated the ML model with Kotlin frontend and hosted it on github.
 - Languages used: Kotlin, Python, Flask.
- **Cognizance Website** 2023-2024
Team Cognizance:- Tech Fest 2023, 2024 Website
 - Developed Firebase Google Authentication and integrated it with already existing token based email-password authentication and hosted it on github.
 - Used PostgreSQL for testing.
 - Techstack used - MERN
- **A ML Framework to Infer Time-of-Use of Flexible Loads** Feb 2024 - Present
Under Prof. Deep Kiran, IIT-Roorkee
 - Developed ML model to cluster Residential Loads and predict future load of unknown buildings.
 - Used K-means for clustering.
 - Used KNN and other algorithms for prediction.
- **A ML Framework to detect Diseased Plants** Mar 2024
Tech-Tonic, IIT Roorkee
 - Developed and trained ML model on dataset of healthy and diseased plant leaves photos.
 - Used CNN for disease detection
 - Reached an accuracy of 97.8%

TECHNICAL SKILLS

- **Programming:** C/C++, OOPS, Python, MATLAB
- **Web:** HTML, CSS, Javascript, Node, Express, Django,
- **App:** Kotlin
- **Miscellaneous:** Git, Linux Shell Utilities

KEY COURSES TAKEN

- **Google Developers Students Club:** Completed GDSC's Google Cloud Study Jams - Cloud Computing Fundamentals Training Course.
- **Bandit War Games:** Completed till 13th level.

ACHIEVEMENTS

- **Third Rank**, Open Track- Development, SYNTAX ERROR X, SDS Labs, IIT-Roorkee 2023
- **All India Rank 2027**, Joint Entrance Examination Advanced among 200,000 candidates India. 2022
- **All India Rank 19064**, Joint Entrance Examination Mains among 1.5 million candidates India. 2022