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
  - Role:- Web Development Backend Lead
  - 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, React.js
- **App**: Kotlin
- **Miscellaneous**: Git, Linux Shell Utilities, Firebase, Keras, Tensorflow, NLP

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*