

Ayush Gupta

Jhansi, U.P.(India)

☎ +91 8707486596 • ✉ ayush.gupta.eee17@itbhu.ac.in • in ayush-gupta-08a8ab183

Education

Academic Qualification

- **B.Tech + M.Tech(Integrated) Electrical Engineering** **2017 - Ongoing**
Indian Institute of Technology, (B.H.U), Varanasi, U.P.(India) *8.84(10.0) CPI*
- **Relevant Courses:** Cryptography, Introduction to C/C++, Data Mining.

Academic Projects

- **Rent-a-folio | Web Application**
 - Built a book lending portal that enables users to read physical books without buying them.
 - Includes an integrated payment portal, rating, sorting options, authentication, and authorization.
 - **Tech Stack:** Django, MySQL, CSS, Bootstrap.
- **Real-time Emotion Recognition From Facial Expressions**
 - Worked on data augmentation and feature extraction and applied Deep CNN architecture to achieve high accuracy.
 - Worked on the classification of 7 types of emotions.
 - **Tech Stack:** Tensorflow, OpenCv.
- **E-voting system | Course Project**
 - It is a system in which only an authorized user can cast his vote online securely and easily, only once.
 - Worked on the user's privacy and user's authenticity.
 - **Tech Stack:** Public-key encryption techniques such as RSA, blind signature.
- **Pixelate | Robotics Event**
 - Built a fully autonomous robot than can do various tasks with the help of camera feeding.
 - Applied various image processing techniques and designed an algorithm to find shortest path.
 - **Tech Stack:** Dijkstra's Shortest Path Algorithm, Image Processing.

Position of Responsibility

- Conducted cryptography workshops attended by **100+ people** followed by a series of interesting events.
- Mentored Juniors in **Robotron** (a robotics based event).

Technical Skills

- **Languages:** C/C++, Python.
- **Concepts:** Data Structures and Algorithms, Object-oriented programming, Machine Learning, Deep Learning, Operating Systems.
- **Tech Stack:** Tensorflow, Keras, Django, Git.

Achievements

- Secured **All India Rank 3544** in **IIT-JEE Advanced(2017)** among **200000** participants.
- Won state level scholarship in 12th class and secured **12th** rank in state.
- **Expert** at [Codeforces](#)(A competitive programming platform).