

Shivam Gupta
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ACADEMIC DETAILS

Examination/Board	Year	University	CGPA/%
B.Tech Computer Science	Pursuing	Graphic Era Deemed To Be University, Dehradun	9.73
12th ISC	2017	Springfields College, Moradabad	94.75%
10th ICSE	2015	Springfields College, Moradabad	89.0%

RESEARCH WORK

- **Crop Disease Detection and Prevention based on Mobile Vision and IOT** (Research Project)
(Guide: Dr. Preeti Mishra, Ph. D., MNIT Jaipur)(Oct'19 - till date)
 - Objective :A leaf disease diagnosis method is implemented with the resource of a android application and IOT using deep learning.
 - It can be used both by amateur gardeners and by professional agriculturists for early detection of diseases.
- **Land Cover Classification And Change Detection** (Research Project)
(Guide: Mr.Hemant Pokhariya, Aug'19 - till date)
 - Objective :Land cover classification map and change detection using satellite images and machine learning and artificial intelligence for the prediction of change in a land cover.
 - The objective is to classify each pixel into only one class or to associate the pixel with many classes (fuzzy or soft classification).

PROJECTS

- **Weather Monitoring Using Internet Of Things (IOT)** (Winter intership)
(Graphic Era Deemed To Be University)(Dec'18 - Jan'19)
 - Objective : To implement a weather monitoring station using IOT devices.
 - Successfully completed four weeks of training with my teammates on Internet of Things. With a successful project on weather monitoring.
- **Face Detection And Identification** (June'19 - July'19)
 - Objective : Detect and Identify faces using Python with the help of some libraries provided by python i.e., opencv2, pillow, pickle etc.
 - To build our face recognition system, we'll first perform face detection, extract face from the frame, train a face recognition model, and then finally recognize faces in both images and video streams with OpenCV.
- **Detecting Blinking of the Eye** (July'19 - Aug'19)
 - Objective :The project involves preventing accidents due to drowsiness in vehicles by using eye blink detector using machine learning.
 - To build our blink detector, we'll be computing a metric called the eye aspect ratio (EAR).
- **Facial Expression Detection** (July'19 - Aug'19)
 - Objective : To predict the expression of human face in real time as fast and as accurate as possible.
- **Care Green Android App** (Oct'19 - Dec'19)
 - Objective: Care Green is an Android App for Real Time Leaf Disease Detection and Recommendation System using Mobile vision, Drone and IOT.
 - Android App also provide information about the best suitable crops depending upon soil nutrients.
- **Weather Forecast App** (Oct'19)
 - Objective : Weather forecast android app using kotlin
 - A simple weather app for Android. It gathers data from OpenWeatherMap, via their public API.

- **Movieflix CRUD Web App** (*Oct'19*)
 - Objective : Web application which is build using Php, HTML, CSS, Javascript and MySQL.
 - It perform certain tasks such as Create, Update and Delete entry from database.

FIELDS OF INTEREST

- Machine Learning, Android Development, Web Development, IoT

TECHNICAL KNOWLEDGE PURVIEW

- **Languages :** (C, C++, Java, kotlin, HTML, CSS, Javascript, Bootstrap, Basic knowledge of Laravel, node.js)
- **Database :** (MySQL, Oracle)
- **Script :** (Python)
- **Tools :** (Eclipse, \LaTeX , Git)
- **Operating System :** (Windows, Linux-Ubuntu, RedHat, CentOS)
- **Machine Learning Tools :** (Orange Tool, Anaconda)

STRENGTHS

- Positive Attitude
- Diligent
- Bright Outlook

POSITION OF RESPONSIBILITIES

- Vice Chair of Student Branch 2019 of Institute of Electrical and Electronics Engineering (IEEE), United States
- Team Member of Core Committee of Graphic Era; Emphasized on enhanced student-faculty interaction and organzing events.
- Active Member of National Service Scheme (NSS).
- Member of Disciplinary team as School Prefect; Responsible for maintaining decorum at school.

AWARDS AND ACHIEVEMENTS

- Runner up of Omnithon (24 hrs Hackathon) Event organised by GEHU
- MTA: Introduction to Programming Using Python - Certified 2019 Issued by Microsoft.
- Participated in Graphic Era University Research Expo (GEURE-2019).
- Awarded scholarship for being among the meritorious students.
- Achieved award for Exemplary Devotion towards College Activities.
- Achieved City Topper Award from Mayor of Moradabad.

INTEREST AND HOBBIES

- Playing Badminton and Basketball
- Sketching