

Anuj Gupta

FINAL YEAR IITG UNDERGRAD | PROGRAMMING AND DATA SCIENCE ENTHUSIAST

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Education

Indian Institute of Technology Guwahati

Guwahati, India

B.TECH IN ELECTRONICS AND ELECTRICAL ENGINEERING

2016 - 2020

- CGPA: 7.90/10

Skills

Languages C, C++, Python, SQL, Matlab

Tools/Frameworks TensorFlow, Scikit-learn, Keras, Numpy, Pandas, Matplotlib, NLTK

Miscellaneous Data Structures & Algorithms, OOP, RNNs, CNNs, LSTM, Data Visualization

Experience

Samsung R&D Institute

Noida, India

SUMMER RESEARCH INTERN

May 2019 - July 2019

- Designed and developed an application called 'Rich Call Logs', which analyzes phone conversations and extracts insightful information such as caller's name and the topic of discussion
- The application also predicts the importance of an incoming call based on conversation history with the caller

Projects

Robotic Human Palm Replication

MENTOR: DR. HARSHAL B. NEMADE, PROFESSOR, EEE DEPARTMENT, IIT GUWAHATI

Jan. 2019-May 2019

- Developed a camera based framework that helps our robotic palm to replicate the motion of human fingers using pose estimation techniques and deep learning models
- Integrated state-of-the-art pose estimation models & designed mathematical formulations for mapping skeleton data-points to angular outputs

Chat Interpreter

SELF PROJECT

April 2019-May 2019

- Built an application which classifies the sentiment of a chat as positive, negative or neutral and extracts useful information such as important commitments and tasks mentioned in the chat using Natural Language Processing.
- Implemented Auto-correct feature that identifies misspelled words, and replaces them with the words most likely to have been intended.

Digital Restoration of Cultural Artifacts

MENTOR: DR. RISHIKESH DILIP KULKARNI, ASSISTANT PROFESSOR, EEE DEPARTMENT, IIT GUWAHATI

Jan. 2020-April 2020

- Developed a mobile application to analyze and digitally reconstruct the 3-D models of various artifacts by capturing it using only a mobile camera installed in a portable arrangement consisting of a projector to project sinusoidal fringes
- Used multiple Temporal Phase Unwrapping algorithms to implement Fringe Projection Profilometry

Key Courses

University Courses

Advanced Control Systems, Probability and Random Processes, Data Structures and Algorithms, Parallel Computing, Embedded Systems, Pattern Recognition & Machine Learning, Fuzzy Logic & Neural Networks

Virtual Courses

Deep Learning, Specialization, Introduction to OOP, Operating Systems, Database Management Systems

Achievements And Extracurriculars

JEE(Advanced) 2016

Secured All India Rank 1886 among 0.25 million candidates appearing for the test

Competitive Programming

Regular participant in online programming contests hosted on Codeforces, Topcoder & HackerRank

Robotics Club

Conceptualized various projects and managed multiple events organized by the Robotics Club, IIT Guwahati

Table Tennis

Represented the hostel in Spardha, the annual inter-hostel sports competition of IIT Guwahati

Technothon

Conducted Technothon, 2017 in Pune (May - July 2017)