

Ankit Khushal Barai

UG Student
Nagpur, India

ankitbarai507@gmail.com
<https://ankitbarai507.github.io>
Mobile: +91 9975643141/9511837412

Objective

Pursuing Graduation, multidisciplinary Engineer with excellent problem solving abilities and process-thinking skill seeks hands on Research experience within a Institute that embraces creativity and innovation. Effective communicator who builds positive, cohesive relationship with all level of staff, eager to put my extensive studies to practical, applied use.

Education

- Indian Institute of Information Technology, Nagpur** Nagpur, India
B.Tech Computer Science and Engineering 2017 - 2021*
 - CGPA: 10.0/10.0 till date
- Kendriya Vidyalaya C.R.P.F. Nagpur** Nagpur, India
Senior Secondary (AISSCE) 2015 - 2017
 - Percentage: 94%
- Kendriya Vidyalaya C.R.P.F. Nagpur** Nagpur, India
Secondary (AISSE) 2005 - 2015
 - CGPA: 10.0/10.0

Experience

- Indian institute of Technology, Kharagpur** Kharagpur, India
Research Intern Dec 2018 - Jan 2019
Fog Computing : A new algorithm is proposed for an Evolutionary Game theoretic approach to reduce the latency in IoT fog networks. The goal was to develop a simulation Virtual fog environment to test the effectiveness of our Evolutionary Game theoretic approach.
- KICIT, Nagpur** Nagpur, India
Intern May 2018 - June 2018
Internet Of Things: Developed and deployed IoT enabled services like Home Security, Plant water Monitoring, Moisture Sensing, Developing User Centric Program, Wireless Device Control and use of Thingspeak (MathWorks) to analyse the data collected, Integrating IoT devices with Twitter to generate automated Tweets as in temperature rise, Automated Email and Twitter alerts.

Selected Projects

- Stock Price Predictor**
This project utilizes Deep Learning models, Long-Short Term Memory (LSTM) Neural Network algorithm, to predict stock prices.

- **Mnist digits classification system using SVM**

Recognising handwritten digits from images using SVM using scikitlearn.

- **Result Printing System**

Result printing software for my institute using jsp and Mysql database.

- **Mnist digits classification system using SVM**

Recognising handwritten digits from images using SVM using scikitlearn.

- **Pulse-classification-svm**

A simple classifier that takes in age and pulse rate as features and classifies the emotion using an Support Vector Machine classifier.

- **Movie Recommendation Engine**

This project contains the code for building movie recommendation engine.

- **Simple Chatbot : Hotel Room Booking**

A simple chatbot created in python for facilitating Hotel Room Booking. The chatbot gathers the parameters like Star Rating, Hotel Name, Location, Tariff and then offers choice.

- **face**

An experiment with OpenCV 3.x face detection and recognition.

All Projects available on <https://ankitbarai507.github.io>

Relevant Courses

- Computer Programming, Data Structures, Discrete Mathematics, Computer System Organization, Object Oriented Programming, Application Programming ,Microprocessors and Interfacing, Linux Shell Scripting, Design and analysis of algorithms,Software Engineering,operating systems.
- MOOCS : Data Science, Machine Learning, Natural Language Processing ,Android Development.

Technical Skills

- Programming/Scripting languages- Python,R,C,C++,Java,Shell script, Php, Javascript, Xml.
- Tools and Frameworks- OpenCV, Matlab, Netbeans, Anaconda, Rstudio, Django,Kivy,Tkinter, Latex,Arduino,Raspberry pi.
- Platforms- Linux,Windows.

Awards & Volunteer activities

- Recipient of Prime Minister's Scholarship Scheme 2018.
- Region Topper in Secondary Examination 2015.

- Regional topper in Book review competition by The Times of India.
- Actively participated in organization of many Graphometry-Event in Tantrafiesta 2018.
- Active participation on online competitive coding websites - CodeChef, Spoj, TopCoder, CodeForces, Hackerearth etc.
- Member Handle - ankitbarai507 as well as started in contributing to open source software on Github.