

SHUBHAM BHAGAT

Junior Undergraduate
Department of Aerospace Engineering
Indian Institute of Technology, Kanpur

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EDUCATIONAL QUALIFICATIONS

Year	Degree	Institution(Board)	CGPA/%
July'18 – June'22 (expected)	B.Tech, AE	Indian Institute of Technology, Kanpur	8.8*/10.0
2018	ISC – XII	City Montessori School, Lucknow (CISCE)	91.75%
2016	ICSE – X	La Martiniere College, Lucknow (CISCE)	93.4%

HONORS AND ACHIEVEMENTS

- Top 0.2%, **JEE Main** (amongst 1.4 million candidates)
- Top 2.5%, **JEE Advanced** (amongst 160,000 candidates)
- Stood **3rd** (amongst 200+ students) in the **Data Structures and Algorithms** course, held in the 4th semester

PROJECTS

Controlling of a Quadrotor with Reinforcement Learning

Mentor: Prof. Mangal Kothari July 2020 - Present

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Life@IITK Frontend Web Development Science and Technology Council, IITK July 2019 - August 2019

- Web application for streamlining the various aspects of the day-to-day lives of campus students
- Part of the team which designed the UI of the application using **ReactJS**
- Implemented various Google maps-like features on a graphical map of the campus

SELF PROJECTS

Drawing App with Auto-Correct

- Made desktop app for drawing using **Python** and **Tkinter**
- Used **regression** to smooth shapes, lines and curves
- Used **k-means clustering** to detect corners of polygons which can then be used to correct them

Twitter Sentiment Analysis

- Vectorized tweets using multi hot encoding and trained **Logistic Regression** and **Naive Bayes** classifiers to predict sentiment

RELEVANT COURSEWORK

Data Structures and Algorithms (A)
Fundamentals of Programming (A)
Linear Algebra and ODE
Vector Calculus and Real Analysis
Complex Analysis (A)
Partial Differential Equations
Deep Learning Specialization (Coursera)

WORK EXPERIENCE

NURSD Health Data Science Intern July 2020 - Present

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IIT-K Summer Of Code Fullstack Development Intern Sponsored by Nutanix and UPSIDC June 2019 - August 2019

- Developed a web app that lists NGOs open for donation
The platform allows the registered users to choose from various NGOs to donate, as well as the registered NGOs to list their mission and necessities.
- Backend developed using **Django** and Frontend using **ReactJS**
- Integrated Paytm API for payment portal

SKILLS

Programming: C/C++, Python, Javascript
Data Science: R, Tensorflow, Keras, Scikit, Pandas, Numpy
Web Development: Node.js, ReactJS, Django, Express, HTML5, CSS
Utilities: Git, \LaTeX , Postman, LabView

POSITIONS OF RESPONSIBILITY

Assistant Coordinator Students' Placement Office March 2020 - Present

- Coordinating the placement and internship process in a 3-tier team for 1200 and 600 students respectively
- Developing liaisons with more than 50 corporate teams to ensure participation in the Internship Drive
- Spearheading a team of 50 members responsible for coordinating the entire internship season 2019-20

Company Coordinator Students' Placement Office July 2019 - March 2020

- Acted as a point of contact for different companies during the Placement Season 2018-19
- Coordinated in the conduction of interviews, placement tests, Group Discussions, Pre-Placement Talks