Ashutosh Bansal

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# SKILLS PROFILE

**Languages:** C, C++, Python, HTML, CSS, SQL

**Frameworks and tools:** Data Structures, Spark, Various Python modules, Machine Learning Linear Regression algorithm, GIT, Bootstrap.



# EDUCATION

## 2017 - Present Bachelor’s in Computer Engineering from Trinity College Dublin

Student on 2+2 programme - first two years completed at Thapar University, India, 4th year to be completed at TCD.

3rd year grade- 2.1

## 2017 12th Standard- equivalent to Irish leaving certificate

84% Grade Overall

* + 1. Public School, Faridabad, India

# EXPERIENCE

# 2021- Present Software Engineer Internship at Bloomberg Data Management Service Pvt. Lmt.

# Designed and modified python scripts as per the client or internal requirements for reporting service. Used python data structures and various other functionalities, to make clean, easy to understand python scripts.

# Python modules used- openpyxl

# Designed Python scripts to perform various operations on the huge datasets from ODS (operational data store), through complex SQL queries.

# Python modules used- pyspark, pandas, pytest

# Gained experience working in teams with professional software developers under Agile software development methodologies.

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# PROJECTS

1. **MACHINE LEARNING PROJECTS**

* **Salary Prediction System**

Developed a ML model based on Linear Regression algorithm that can predict salary of a

student based on their grade.

* **Flat price prediction system**

Developed a ML model based on Linear Regression algorithm that can predict price of a flat based on their size(2BHK,3BHK etc.)

## PYTHON PROJECTS

## Created a Web Scrapping project that takes voice input for a product, scrape the data from a website and send a list of those products to the user, through email.

## Python modules used- SpeechRecognition, BeautifulSoup, requests, smtplib

## Build several other python projects using GUI tkinter and MySQL database.

## COMPUTER NETWORKS PROJECT

Project based on socket programming written in python using client server model.

Technologies used- TCP protocol, SMTP protocol, FTP protocol, MySQL Database

## MY PORTFOLIO

Created a static website using HTML, CSS, Bootstrap hosted through GitHub.

Link to my portfolio-https://ashutosh2302.github.io/MyPortfolio.github.io/



# ONLINE TRAINING / COURSES (Certificates Available)

## Data Structures and Algorithms

* **Python**
  1. GUI
  2. Machine Learning- Linear regression



# INTERESTS AND ACHIEVEMENTS

* BEST DEBUT CODER award in an overnight hackathon.
* Golden Badge Holder in competitive coding website, HackerRank.
* Keen interest in learning new technologies and making projects.
* Keen interest in Cricket and Singing.



# VOLUNTEERING EXPERIENCE

# Participated in ‘SWACH BHARAT ABHIYAN’ a cleanliness drive by Government of India.

# Volunteered in organizing Blood Donation Camps and Clothes distribution camp.

# Taught Mathematics and basic Programming to children under a drive ‘EDUCATION TO ALL’ in my colony.

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