

# Abhishek Bapna

# Software Engineer | Web Developer

Enthusiastic software engineer looking for new opportunities to grow & excel. Highly motivated, team player, hard worker, creative & always open to learning new skills and contribute to team's success.

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aithub.com/LuciFR1809

### Academics

### BITS Pilani Hyderabad

BE. Computer Science, 2022 Current CGPA-7.2

#### Pace Jr. Science College-

Class XII-Maharashtra Board(93%)

#### Delhi Public School, Navi Mumbai-

Class X-CBSE(9.8 CGPA)

### Certifications

Android App Development Specialization (5 Courses)-Coursera

Web Design Specialization(5 courses)-Coursera

**Excel For Business Specialization** (4Courses)-Coursera

C essentials-Coursera

**Game Theory-Coursera** 

**Negotiation-Coursera** 

### Languages

English-Fluent, Efficient working capacity Hindi-Fluent, Efficient working capacity French-Intermediate. Classroom level

# Technical Proficiency

- C++
- Java
- **Python**
- **JavaScript**
- HTML<sub>5</sub>
- CSS<sub>3</sub>
- React.is
- Node.js
- SQL
  - **R** programming Go lang
  - **Qiskit**

Flutter

- **Microsoft Office**
- **Photoshop**

# Subjects & Skills

- Data ,Structure & Algorithms
- **Database** Management **Systems**
- Object Oriented Agile/Scrum **Programming**
- **Data Mining**
- Cryptography
- Information Retrieval
- Operating **Systems**
- Web Design
- Negotiation
- Effective Public **Speaking**

# Internships & Work Experience

#### Web development Intern-5Paisa Ltd, IIFL

Tasked with development of model trading web application with live stock tracking, login credential creation, stock trading, order placement portfolio description, financial ratios, etc. using 5Paisa API's along with HTML, CSS, JavaScript, Node JS, React, Postman, Websocket.io Repo

Financial Analysis Intern-FinanceFortune.com

Mar2019-Mar2020

May2020-Aug2020

Financial Analysis Intern at FinanceFortune.com tasked with overall management and analysis of portfolio and stock selections including Stock analysis and charting & Social Media handling

# Projects

Lyrics Based Music Search Engine-Information Retrieval, API's, Python, React Aug2020-Dec2020

Creation of OPERETTA a lyrics-based music search engine using musixmatch song API's involving returning top recommendations based on search query utilizing various information retrieval techniques such as SVD, CUR, LSH etc. Repo1 Repo2

Al Implementations -Al, Python, PostgreSQL, React Jan2021-May2021

Using Depth First BackTracking for River Crossing Problem in python and displaying the intermediate steps

Using A\* Algorithm for the shortest path between 2 locations using Open Map API Bayesian Network creation using Genie BayesFusion

Expert System, Classifier using filters & limits for journal recommendation Repo

### Alzheimer's Buddy ChatApp -AI , Flutter, Python

Jan2021-May2021

Salient Alzheimers Responsiveness Assistant (SARA) using Flutter & AIML for the aid of Alzheimer's patients using an AI-powered Chatbot with added functions like calling, medical records, location, SOS, Sedentary alarm Repo

Data Mining, Analysis Of Traffic Data -Data Mining, ML, Python

Jan2020-Jun2020

Mandated course project to analyze, predict trends in a data set using Python3, NumPy, Pandas, Tableau, MatPlotLib with a fixed set of objectives along with **Data Collection, Data cleaning, Data interpolation, Charting & Visual representation** Repo

Model Taxi Booking Service Application -DBMS, OOPS, Java, MySQL

Mandated course project in Java, NetBeans IDE, MySQL to develop a model taxi service application with login credentials, location display, wallet control, simultaneous bookings, coupon codes, OTP verification, driver & customer prioritization sequence & rating system

► Reliable UDP Protocol -Computer Networks, Python, Java

Jan2021-May2021

AURUM: A Useful & Reliable UDP Implementation in Python & Java to improve basic UDP connection using GBN, Selective Repeat & bit flags Repo

 Experimental Studies On Quantum Computers-Quantum Computing, Python, Qiskit, JKQ Jan2021-May2021

Implementation & testing of a new Quantum ISA & Quantum Pipelined Architecture (QuPA). Checking the reduction of Quantum Error Correction (QEC) time & measuring gate cost of QuPA using Qiskit SDK & JKQ Toolset, simulating our circuit using IBMQ Repo

VyPr Toy Language-Compilers, Python, CFG

Jan2021-May2021

Creation of Toy Language vYpr with a LALR1 Parse Table with added functionalities such as Syntax Analysis, DFA Creation, CLI, Whitespace & Comment recognition, Panic Mode Error Recovery Repo



### Position Of Responsibility

Treasurer-Dramatics Club, BPHC

Jul2019-Jul2020

Tasked with Overall management of the club, Handling club finances, Scheduling & work plans for future endeavors, Mentoring & guiding new inductees. The position has taught me a lot about managing resources judiciously for maximum output & making well-balanced decisions with both short & long term goals at hand



## Volunteer & Extra Curricular Activities

### TEDx BITSHyderabad-Speaker Research | Cause: Education

Jul2019-Present

Speaker Research lead at TEDxBITSHyderabad tasked with researching & contacting speakers in different fields for the opportunity to speak at TEDx & forming working relationships with various organizations, conversing with speakers & guests, being their point of contact for the event

#### BITS Embryo-Speaker Research | Cause: Education

Aug2018-Present

Communication Teams lead at Embryo BITS Hyderabad tasked with researching & contacting speakers in different fields for the opportunity to speak at BITS Hyderabad including seminars, college fests, special occasions & chief guests, conversing with speakers & guests, being their point of contact for the event

**Dramatics & Theatre** Aug2018-Present

Theatre and Dramatics enthusiast and have been part of 15+ plays both as cast and backstage crew. Dramatics has helped me in both my personal & professional life. Development of public speaking and stage presence. How to be outspoken and to share ideas. How to work seamlessly with other groups and organizations for smooth running of performances(Logistics,Arts,Lights&Sound)