

Kolkata, West Bengal
India. PIN - 700034

ARNAB CHANDA

(+91) 903-819-2755
arnabchanda964@gmail.com

EMPLOYMENT

Question Setter and event organiser	Codechef Kolkata, Campus Chapter	Nov 2019 - Present
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- Writing questions, hosting open contests every month on CodeChef and organising workshops on competitive programming.

Android Development Intern	Eriyaz - Rate My Singing App	July 2019 - Aug 2019
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- Working on unreleased features, and adding new features like direct messaging into an android app that had a growing user base of over 50,000 users.
- Working with Firebase cloud functions to implement push notifications, database migrations and other quality of life improvements.

Designer/Editor	Freelance Designing/Video Editing	May 2017 - Present
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- Worked with various clients on several projects involving graphic designing and video editing.
- Co-Founded a youtube channel as a hobby where I worked as a content creator and video editor.

LANGUAGE AND TECHNOLOGIES

- Programming Languages - Java, Python, C++ (basic)
- Operating System - Linux, Windows, Android
- Database - MySQL, Firestore, PostgreSQL
- Frameworks and tools - Django, Native Android(Java), PyQt5
- Others - Git, Arduino(Basics), Adobe Photoshop, Adobe Premiere Pro.

EDUCATION

Kolkata, India	Netaji Subhash Engineering College	July 2017 - July 2021
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- B.Tech. in Computer Science and Engineering. CGPA: 8.231/10
- Main coursework: Data Structures, Design and analysis of Algorithms, Computer Architecture, Database Systems, Operating Systems.

Kolkata, India	National Gems Higher Secondary School	Mar 2017
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- ISC - 94% with a score of 99 in Computer Science and 96 in Mathematics.

Kolkata, India	National Gems Higher Secondary School	Mar 2015
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- ICSE-96% with a score of 99 in Computer Science and 96 in Mathematics.

B.TECH. MAJOR PROJECT

- **Expensius - An interactive money tracking web application** - that helps user maintain multiple accounts with numerous searchable financial transactions to monitor the balance and keep track more easily.(Django, AJAX, HTML, CSS, BOOTSTRAP, JS).
- **Visualising Dijkstra's Algorithm using an interactive grid** (Django, HTML, CSS, AJAX).
- **Android application to maintain personal attendance records** with automated push notifications to take attendance. (Native Android - Java, Firebase).
- **Association rule mining based app** - desktop and Web to mine data using Apriori Algorithm on a dataset. (Django, PyQt5, Pandas)
- **Smart IOT based assistant - GLaD_OS** - Voice-controlled IoT assistant that controls the lights, fans, plays music searches the web and converses with the user. (Python, Selenium, Raspberry Pi, Native Android, Dialogflow).

ACHIEVEMENTS AND RESPONSIBILITIES

- **ACM-ICPC 2019 Qualification Round Rank: 1257** ([Link](#))
- **Codechef 4 star rating**(1800+ rated).
- A core team member and web/app developer in the Developer Student's Club of my college.
- Coordinator and Problem setter for the annual technical/coding fest of my college.
- JBNSTS Talent Search Scholar 2017.
- **Publication:** "Analysis of Importance of Pre-requisite Subjects on Student Academic Performance in Dependent Subjects Using Association Rule Mining" authored by Chandra Das, Shilpi Bose, **Arnab Chanda**, Sandeep Singh, Kuntal Ghosh, Springer 4th ICACIE 2019.