

ANKIT CHAUDHARY

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Education

Bharati Vidyapeeth's College of Engineering, GGSIPU, New Delhi

2018 - Present

- Bachelor of Technology in Computer Engineering | CGPA: **9.1/10**

The Adarsh School, New Delhi

- *AISSE (Class XII)* | Aggregate: **91.2%**
- *AISSE (Class X)* | CGPA: **10/10**

2017 - 2018

2015 - 2016

Skills

- Data Structures and Algorithms | Database Management System | Operating System | Object-Oriented Programming
- C++ | C | JavaScript | TypeScript | ReactJS | CSS | NodeJS | MongoDB | MySQL | Docker | Git

Work Experience

Application Developer- Graduate Consultant | Thoughtworks Technologies (India) Pvt. Ltd.

Aug. 22 - Present

- Implemented the functionality for an internal **Google chatbot** to query the Point of Contact for a particular domain based on different parameters fetched from **in-memory datastore**.
- Tech stack - **TypeScript, Google Functions, Redis, Dialogflow, CircleCI**

Application Developer Intern | Thoughtworks Technologies (India) Pvt. Ltd.

Apr. 22 - Aug. 22

- Developed **Login, Sign up** and **Change Password** functionality in a project simulation (Movie Booking Web app) in ReactJS, and Spring Boot.
- Participated in trainings/workshops based on **Object Oriented Design, Data Engineering, TDD, Code Pairing** and **Agile practices**.

Research Fellow | Bharati Vidyapeeth's College of Engineering, New Delhi

Apr. 20 - Aug. 20

- Developed an integrated Deep Learning approach that deals with recognizing emotions from cartoon images.
- Applied Computer Vision frameworks including **Mask-RCNN**, Haar Cascade, and other image processing tasks for instance segmentation.
- Used pre-trained models (**VGG-16, InceptionNet, MobileNet**) to classify emotions and achieved an **accuracy of 96%** and **f1-score of 0.85**.

Open Source Contributions

- Contributed in frontend applications of open source repositories: [Async API website](#), and [Electricitymaps](#) based on ReactJS and NextJS.
- Other minor contributions include [Async API studio](#), [freeCodeCamp](#), and [Mozilla](#).

Projects

Youtube UI Clone

Jul. 22 - Aug. 22

A User interface similar to that of Youtube.

- Implemented Youtube home page, search videos and play videos functionality using **Youtube APIs**.
- Technology used - ReactJS, MaterialUI, Github actions.

Spreadsheet Clone

Oct. 20

A spreadsheet desktop application which implements **graph data structure**.

- Features include **auto-updating** and **recalculation of cells**, cell styling, text styling, and saving a file.
- Technology used - Electron.js, HTML, CSS, and JQuery.

Home-Trainer

Sept. 19 - Oct. 19

A personal trainer to **monitor body postures** of a person doing resistance training and give back a response.

- OpenPose framework was used to **detect human body keypoints**.
- **Body postures** were evaluated based on **angles and distances** between key points of the different body parts.

Blog App

Jun. 19

Web App to **post, maintain, display blogs** and **save them in the database**.

- This application performs **CRUD operations** on blogs using **RESTful routes**.
- Technology stack used - HTML, CSS, Node.js, Express.js, MongoDB.

Publications

- **Chaudhary, A.**, Gupta, V., Jain, N., Santosh, KC. 2020. COVID-19 on Air Quality Index (AQI): A Necessary Evil? [↗](#)
- Gupta, V., Jain, N., Shubham, S., Madan, A., **Chaudhary, A.**, Xin, Q. 2020. Towards Integrated CNN-based Sentiment Analysis of Tweets for Scarce Resource Language- Hindi. Manuscript submitted for publication. [↗](#)
- Vasdev, D., Gupta, V., Shubham, S., **Chaudhary, A.**, Jain, N., Salimi, M., & Ahmadian, A. (2022). Periapical dental X-ray image classification using deep neural networks. *Annals of Operations Research*, 1-29. [↗](#)
- Madan, A., Parikh, J., Jain, R., Gupta, A., **Chaudhary, A.**, & Chadha, D. Enhanced deep learning network for emotion recognition from GIF. *Intelligent Decision Technologies*, 1-16. [↗](#)

Achievements

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| • First Runner-up in Dexterix 2.0, Galgotias University | Nov. 19 |
| • 1st position in CTRL ALT Hacks 1.0, Ansal University | Nov. 19 |
| • 1st position in HashHacks 4.0, Cluster Innovation Centre, Delhi University | Oct. 19 |
| • Gold Medal in International Mathematics Olympiad, School Level | Aug. 15 |