



**Ayushman Choudhary**  
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**B.Tech.**  
**Gender: Male**  
**DOB: 2/11/2002**

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2024	8.61
Intermediate	CBSE	Navyug Sr. Sec. Convent School	2020	95.00%
Matriculation	CBSE	Daly College, Indore	2018	97.40%

Pursuing **Minor Degree in Computer Science and Engineering**

## SCHOLASTIC ACHIEVEMENTS AND AWARDS

- Secured an **All India Rank 1974** in IIT-JEE Advanced 2020 among **0.2 million** students [2020]
- Secured **99.82 percentile** in JEE Mains among **1 million+** aspirants with an **All India Rank - 2083** [2020]
- Recipient of the **Kishore Vaigyanik Protsahan Yojana (KVPY)** scholarship with an **AIR 511** among **50k+** applicants [2020]
- Awarded **School Topper** in Class XII among **200+** students securing **95.0%** in CBSE Boards [2020]
- Recognized in top **0.1 %** among 5 lakh+ candidates in Mathematics CBSE Boards class XII [2020]
- Received the **Dewas Sr. Prize for School Topper** in Class X among **150+** students securing **97.4%** in CBSE Boards [2018]

## PROFESSIONAL EXPERIENCE

### FogTeams | Intern

[May '22 - Present]

AI Developer

Founder: Kanik Arora

Developing an AI personal assistant integrated with FogTeams conferencing platform for swift and effortless communication

- Leading the team in building a **Slack app** based on the **Rasa framework** aiming to provide on-demand notes and tasks retrieval, updating and uploading tasks, creating reminders, setting-up meetings etc. using text/voice input from user
- Collaborating with **15+ developers** for testing the product through UAT, QA and PROD development environments
- Training **NLU model** with data from real-time conversations and enhancing user experience by using stories and rules
- Using interactive Slack elements and **server-side pagination** for a clean UI design and easy updating methods

### Electroshoe | Intern

[Dec '21 - Feb '22]

Web and Blockchain Developer

Founder: Siddharth Mandala

Creating a marketplace for trading and sharing NFTs, digital assets and crypto collectibles

- Developed an environment for users to view, mint and share **NFT collections**, optimized by **lazy-minting**, with payment and storage supported by internal crypto wallet or Metamask to ease access for people uneducated about the technology.
- Deliberated on networks like **Solana** and **Polygon** based on minting gas fee, network congestion and ease of payment.
- Scrutinized many on-chain/off-chain storage like **Arweave, IPFS, Pinata** to establish an immutable and secure NFT storage.

## KEY PROJECTS

### Magic Zero | AI Developer

[Mar '22 - Present]

A diverse team with a vision to walk humanoids on the grounds of the college lecture halls and library

- Trained the **yoloV5** object detection model on self-generated dataset to detect various objects through live camera feed
- Annotated object's distance using triangle similarity based on camera focal length and image resolution for navigation
- Developed a **Rasa chatbot** layer integrated with **Mozilla DeepSpeech** for voice recognition and initialize object detection

### Athena (Udemy for IITB)

[Jul '21 - Nov '21]

Institute Cultural Council PET Project

An **online learning and teaching** portal for the **10,000+** students of IITB having **courses & workshops** from **10+ ICC Clubs**

- Spearheaded as **lead web developer** for full stack development of an **Express app** with **MongoDB** maintaining collections
- Provided a **user-profile** system using **JSON Web Token** along with **password hashing** for secure authentication process
- Designed the E-learning platform to bring down expenditure on classes by **1,00,000 INR** per annum

### CheckItOut

[Aug '21 - Nov '21]

Course Project: Introduction to Entrepreneurship

Course Instructor: Prof. Anu Narasimhan

Desai Sethi School of Entrepreneurship, IIT Bombay

A **business venture (B2B) idea** for providing **seamless checkout system** at Tier-I & II cities hypermarkets & supermarkets

- Analyzed the feasibility of an **AmazonGo** level **come-take and leave** checkout system or a **fast, automatic conveyor** based system employing sensor fusion and deep learning and using payment methods secured with blockchain technology
- Worked in a diverse team of **7 people** and formulated a **Business Model Canvas** after deliberations on customer discovery, value proposition, etc. followed by a final **pitch deck** presentation covering **financial modelling** and **prototyping**.
- Aimed at to generate **₹4.1cr** from stores subscriptions and customer subscribers (**SaaS Model**) and **₹33cr** in next 5 yrs.

## Machine Learning System

[Sept '21 - Oct '21]

Training Machine Learning models

Self Project

Employing the immense capabilities of **Python** and its libraries including **Scikit-learn** to train multi-feature datasets

- Analyzed an extensive **salary vs experience** data set to formulate a **simple linear regression** curve for salary predictions
- Tabulated the R&D Spend, Administration and Marketing Spend, Place and Profits of **50+ startups** and employed **OneHotEncoding** to train a **Multiple Linear Regression** model for identifying the best combination of features
- Processed the Position vs Salary of **10+ portfolios** in a company to train a **Polynomial Linear Regression, Support Vector Regression, Decision Tree and Random Forest Regression** model for intermediate position salary prediction

## Spanning Tree Protocol

[Sept '21]

Course Project: Computer Networks

Course Instructor: Prof. Varsha Apte

- Implemented STP on a given **LAN and bridge topology** to report the port status of all bridges after establishing the network
- Engineered a **distributed logic algorithm** in **C++** by buffering sender and receiver trace at each bridge and LAN

## Covid Scraper

[Jun '21 - Jul '21]

Web Scraping Django App

**Certified with Project and Distinction** in PyCK course conducted by seniors IIT Bombay

- Portrayed recent global and national statistics on the Covid-19 pandemic through real-time web scraping functionalities
- Utilized **BeautifulSoup** library for web scraping **HTML scripts** of various webpages including **Google News**
- Incorporated **Google Maps JavaScript API** for rendering an interactive world map displaying world Covid-19 figures

## POSITION OF RESPONSIBILITY

### Web Convener | Institute Cultural Council

[Jun '21 - May '22]

- Worked in a **team of three**, developing 12+ websites of cultural clubs for revamping the **Culturals Gymkhana portal**
- Coordinated with **10+ clubs** involving **50+ council members** to mold their website requirements into template designs
- Worked in a diverse team of **9+** different club members on **PET projects** catering to all institute requirements

## TECHNICAL SKILLS

<b>Programming</b>	C++, Python, HTML, CSS, JavaScript, PHP, MySQL, Solidity, MongoDB, MATLAB, $\LaTeX$
<b>Frameworks Libraries</b>	Bootstrap, Django, ReactJS, NodeJS, Pandas, Numpy, Matplotlib, Scikit Learn, Rasa
<b>Software</b>	Git & Github, Postman, Figma, Wireshark, Unity, Slack programming

## KEY COURSES UNDERTAKEN

<b>Computer Science</b>	Computer Programming, Computer Networks, Data Structures and Algorithms
<b>Chemical Engineering</b>	Transport Phenomena, Thermodynamics, Fluid Mechanics, Heat Transfer
<b>Maths &amp; Data Science</b>	Calculus, Linear Algebra, Differential Equations, Numerical Analysis, Computational Methods Lab, Introduction to Data Analysis
<b>Other</b>	Introduction to Entrepreneurship, Economics, Engineering Drawing, Philosophy, Biology

## EXTRA-CURRICULAR ACTIVITIES

<b>SPORTS</b>	<ul style="list-style-type: none"><li>• Champions of <b>Aavhan Revive Sports League Squash</b> competition [2022]</li><li>• Completed the 6-day and 3810m high <b>Kedarkanta</b> winter snow trek. [2021]</li><li>• Awarded <b>renowned shot</b>, representing <b>Madhya Pradesh</b> in the 61st National Shooting Championship, Kerala in 10m Air Rifle Youth Men category [2017]</li><li>• Received <b>gold (Ind.), silver(Ind. &amp; Team) and bronze(Ind.) medal</b> at the 19th &amp; 20th MP State Shooting Championship for open sight and peep sight 10m air rifle [2016 &amp; 2017]</li><li>• Received <b>bronze(team) medal</b> at 14th All India IPSC Shooting Championship [2017]</li><li>• Passed the <b>Certificate A</b> examination comprising of training periods and written tests and completed the Combined Annual Training Camp VIII with rank <b>SGT</b> in the NCC [2017]</li></ul>
<b>TECH</b>	<ul style="list-style-type: none"><li>• Completed the <b>Hactoberfest 2021</b> challenge by <b>Digital Ocean</b> via open-source contributions</li><li>• Secured a global rank of <b>1884</b> in <b>Google Kick Start Round B</b> in competitive coding [2021]</li><li>• Certified with <b>HackerRank Problem Solving (Basic) and (Intermediate)</b> in C++ [2021]</li><li>• <b>3 Star</b> coder at CodeChef with <b>1717 rating</b> and <b>4 star</b> in CPP at HackerRank [2021]</li><li>• Received <b>Special Mention</b> in Game Development Hackathon organized by WNCC [2021]</li><li>• Participated in One Day National Webinar on <b>Machine Learning using Python</b>, organized by Dept. of CSE, Synergy Institute of Technology, Bhubaneswar [2021]</li></ul>
<b>CULTURALS</b>	<ul style="list-style-type: none"><li>• <b>Co-authored</b> the book, <b>My Life Your Eyes!</b> published by Verses Kindler Publication [2021]</li><li>• Acted in the good old Street Play <b>Sonu ka Gold Medal</b> for UG Culturals Orientation [2021]</li><li>• Presided as <b>Vice-Chair</b> in the UNHRC committee in the Daly College Model UN [2017]</li><li>• Adjudged the <b>Best Delegate</b> in EHMUN (DISEC-2015), Daly College Youth Parliament (House of Commons-2016) &amp; BATCHMUN(DISEC-2016)</li></ul>