

# CHAYAN PANDIT

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## Education

Indian Institute of Technology(Indian School of Mines), Dhanbad

December 2020 – May 2024

Bachelor of Technology in Computer Science and Engineering | Grade: 9.18

Dhanbad, Jharkhand

## Experience

Atlassian

May 2023 – July 2023

Software Development Engineer Intern

Bangalore, India

- Developed and implemented an automated **email request categorization** system (with an accuracy of 90.17% at 86.7% coverage) capable of **reducing ticket resolution time** by 50%, using machine learning models.
- Designed a **knowledge graph** solution to enhance **virtual agent** capabilities by suggesting relevant troubleshooting steps (**reducing reliance on human agents** by 20%) and identifying knowledge base gaps.
- Technologies Used: Python, PyTorch, NLP, Rest API, Graphviz.io, Flask, ReactJs, Javascript, dot language, and ontologies and structure of the knowledge system.

Aeroqube Inc.

August 2023 – Present

Software Development Engineer Intern

Remote

- Implemented **face intrusion detection** to increase security systems' efficiency (90% precision) using YOLO models.
- Automated **signature (and logo) detection and verification** of documents achieving 80% recall and 60% precision.
- Hosted the models to the aws server of the client.
- Technologies Used: YOLO, Mediapipe, AWS, cvzone, Machine Learning, Python, Scikit-learn, TensorFlow.

## Technical Projects

CampLife

A camping-related website.

May 2022

[Website](#) | [Github](#)

- A web app that allows users to create, share and discover campsites.
- Features include a cluster map for visualization and user authentication.
- Technologies Used: MongoDB, Bootstrap, Javascript, Nodejs, Express, Mapbox, Cloudinary.

SuperMarket

A supermarket automation software.

June 2022

[Website](#) | [Github](#)

- Developed an inventory management system supporting a 3-tier user hierarchy (manager, sales clerk, and staff).
- Features streamlined bill generation and printing, along with sales analysis and insights.
- Technologies Used: MongoDB, Bootstrap, Javascript, Nodejs, Express, Flash, Passport

## Programming Achievements

- |                                      |   |      |
|--------------------------------------|---|------|
| • <b>Google KickStart Round-D:</b>   | Achieved a global rank of 826 out of 10k+ participants.                     | 2022 |
| • <b>Codechef July LunchTime:</b>    | Achieved a global rank of 28 out of 10k+ participants.                      | 2022 |
| • <b>Codechef Cook-Off:</b>          | Achieved a global rank of 37 out of 13k+ participants.                      | 2022 |
| • <b>Codeforces round 794:</b>       | Achieved a global rank of 341 out of 24k+ participants.                     |      |
| • <b>Codeforces round 800:</b>       | Achieved a global rank of 677 out of 26k+ participants.                     |      |
| • <b>Joint Entrance Examination:</b> | Secured top 0.8 percentile in the JEE Advanced 2020 out of 250k+ aspirants. |      |

## Technical Skills

- **Programming Languages:** C, C++, Python, Java, Javascript
- **Frameworks:** React, Node.js, Express.js, Passport.js, Django.
- **Databases:** MongoDB, MySQL, Firebase
- **Tools:** Git, Github, Cloudinary, Mapbox, Postman, Graphviz, Mediapipe

## Sports Programming

- |  |                           |                       |
|--|---------------------------|-----------------------|
| • <b>Codeforces ( <a href="#">Profile</a> ):</b>   | Rating: 1545 (Specialist) | Problems Solved: 340+ |
| • <b>Codechef ( <a href="#">Profile</a> ):</b>     | Rating: 2051 (5 stars)    | Problems Solved: 115+ |
| • <b>Leetcode ( <a href="#">Profile</a> ):</b>     | Rating: 1751              | Problems Solved: 310+ |
| • <b>Interviewbit ( <a href="#">Profile</a> ):</b> | Rating: 6857              | Problems Solved: 365+ |

## Position of Responsibility

- |   |           |
|---|-----------|
| • <b>Promotions Team, Artfreaks</b> - The Fine Arts Club of IIT (ISM) Dhanbad (with 50+ members). | 2020-2023 |
| • Active member, <b>National Service Scheme(NSS)</b> .  | 2020-2024 |