

# JARPULA AJAY NAYAK

## ACADEMIC PROFILE

Degree/Certificate	Institution	Percentage/CGPA	Year
B-Tech	Electronic Engineering IIT (BHU), Varanasi	8.24	2025
TSBIE (XII)	Sri Chaitanya JR Kalasala	97.00	2021
TSBSE (X)	Sri Chaitanya High School, Kukatpally,	92.15	2019

## SKILLS

- **Programming Skills** : C++ , C, SQL , Html , JavaScript.
- **Frameworks and Libraries** : Django Rest Frame , ReactJS, Bootstrap.
- **Areas of Interest**: Data Structures and Algorithms, Competitive Programming, Web Development

## INTERNSHIP/TRAINING

**Software Developer Internship, Investco Capital Ventures Pvt. Ltd** May-July'24

- Integrated a third-party *API* to efficiently retrieve and securely store GST details of borrowers in the database.
- Automated referral emails using *SMTP* driving the acquisition of suppliers and buyers linked to first-level borrowers.
- Designed a reward system to manage voucher crediting and redemption using Django *Models* and *Signals*.
- Built an admin dashboard using *ReactJS*, for tracking the onboarding progress of referred users.
- Exposure: Python, Django, ReactJS, API.

## PROJECTS

### Cryptocurrency Website

- Developed a comprehensive React Cryptocurrency application utilizing the Redux Toolkit for state management.
- Key Features: Implemented features like real-time Cryptocurrency Data, Detailed Crypto News, and Interactive Charts.
- API Integration: Integrated Rapid API for seamless data retrieval and Dynamic Content Updates.
- **Exposure**: React JS, Redux Toolkit, API .

### IdeaPad

- Developed a full-stack application for managing ideas using Django, Django REST Framework, and React.
- Implemented features for creating, updating, and deleting ideas with a focus on user-friendly design.
- Ensured seamless frontend-backend communication by resolving CORS issues and optimizing API integration.
- **Exposure**: Django, React JS, API

### Autonomous Path Mapping Robot

- Simulated an autonomous robot on Pybullet that used live video feed from an overhead camera to apply Image Processing to navigate through an arena.
- Implemented Dijkstra algorithm to find the optimal path abiding by the given rules.
- **Exposure** : OpenCV, Aruco, Pybullet, Python.

## POSITION OF RESPONSIBILITY

- **Marketing Executive, Spardha'22** : Conducted outreach for sponsorships and participated in local fundraisers, establishing collaborations with various companies.
- **Marketing Coordinator, Udyam'23** : Led outreach to tech companies for sponsorships through email and LinkedIn, resulting in successful collaborations.

## HONOURS AND ACHIEVEMENTS

- **Specialist** at Codeforces with a highest rating of 1510 (ID: Ajay\_2022).
- Achieved **Global Rank** 595 and 435 in CodeChef Starters 147 and Starters 141 respectively.
- Secured **Global Rank** 1978 in Codeforces Round 940.
- Attained **Global Rank** 76 in Algo\_Arena\_01 at IIT BHU.
- Solved over **500 Problems** on LeetCode, Geeks For Geeks, and other platforms.

## EXTRA-CURRICULAR ACTIVITIES

- **Devbits**: Participated in a competitive programming and web development event at Udyam'23, IIT BHU.
- **Mosaic**: Competed in a machine learning-based event during Udyam'23, IIT BHU.
- **Digisim**: Engaged in a digital electronics-based event at Udyam'23, IIT BHU.

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