

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			
<ul style="list-style-type: none">• Programming Skills : C++ , C , Python, SQL.• 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
<ul style="list-style-type: none">• Integrated a third-party <i>API</i> to efficiently retrieve and securely store GST details of borrowers in the database.• Automated referral emails using <i>SMTP</i> driving the acquisition of suppliers and buyers linked to first-level borrowers.• Designed a reward system to manage voucher crediting and redemption using Django <i>Models</i> and <i>Signals</i>.• Built an admin dashboard using <i>ReactJS</i>, for tracking the onboarding progress of referred users.• Exposure: Python, Django, ReactJS, API.			
PROJECTS			
IdeaPad			
<ul style="list-style-type: none">• 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			
<ul style="list-style-type: none">• 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.			
Loan Application Predictor			
<ul style="list-style-type: none">• Performed an in-depth <i>Exploratory Data Analysis</i> on Loan data to understand customer behavior and found the most effective features across 13 features such as Credit History, Balance income, etc.• Applied and tested various techniques like the imputation of <i>missing values</i>, <i>preprocessing of data</i>, <i>outlier detection</i>, <i>feature engineering</i> and dimensionality reduction for improving the accuracy of the model.• Implemented machine learning models like <i>Linear Regression</i>, <i>Decision Tree</i> and <i>Random Forest</i> with an average accuracy of 75% for detecting loan defaulters and automating the loan eligibility process.			
POSITION OF RESPONSIBILITY			
<ul style="list-style-type: none">• Marketing Executive, Spardha'22: Organized fundraisers, secured sponsorships and partnerships with companies.• Marketing Coordinator, Udyam'23: Led outreach to tech companies for sponsorships via email and LinkedIn.			
HONOURS AND ACHIEVEMENTS			
<ul style="list-style-type: none">• 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			
<ul style="list-style-type: none">• 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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,Kukatpally , Medchal , Telangana.