

Prasun Dandapat

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EDUCATION

Academy of Technology <i>B.Tech - Computer Science and Engineering</i> CGPA: 8.3	West Bengal Oct 2022 – Present
Rajkamal Saraswati Vidya Mandir <i>HSC, Class XII</i> Percentage: 94%	Dhanbad May 2019 – Sept 2021
Buds Garden Public School <i>SSC, Class X</i> Percentage: 91.4%	Dhanbad June 2017 – April 2019

WORK EXPERIENCE

Software Developer Intern <i>TEOCO Corporation Pvt Ltd</i>	Kolkata, West Bengal 03/2026 – Present
- Working in the RAN Optimization team (ASSET) and exploring telecom industry workflows and products. - Developing APM software for processing geodata, geographical databases, and mobile tower connectivity analysis. - Assisting in deployment automation, Linux-based server operations, and CI/CD workflow integration for internal applications.	
Machine Learning Research Intern <i>NIT Durgapur, Durgapur, WestBengal</i>	West Bengal 04/2025 – Present
- Conducting research on the robustness of classical centrality measures (e.g., Betweenness, Closeness) in incomplete networks vs full network. This study opens pathways for social network analysis and epidemiology and limited/incomplete data. - Using snowball sampling to simulate real-world data constraints and evaluating ranking stability with Kendall's Tau, Spearman's correlation and jaccard similarity.	

PROJECTS

Moodify – AI Powered Mental Health Analysis App (GitHub)	01/2025 – 02/2025
- Developed a web app for mood prediction and forecasting with journal-writing, sentiment analysis, AI chatbot support, and automated report generation. - Implemented NLP, LSTM, and image processing models for sentiment analysis, mood forecasting, and personalized mental health insights. - Integrated Docker-based deployment and CI/CD pipelines for scalable builds and streamlined application delivery. Tech Stack: React, Node.js, MongoDB, Gemini API, Docker, CI/CD.	
Jarvis – An AI Voice Assistant (GitHub)	06/2024 – 07/2024
- Built an AI voice assistant using Speech Recognition and Synthesis APIs for voice command execution. - Integrated OpenAI and Gemini APIs for intelligent responses and automated task execution. - Containerized backend services with Docker and implemented basic CI workflows for efficient deployment and testing. Tech Stack: React.js, Node.js, Express.js, MongoDB, Docker, OpenAI API.	

SKILLS / TECHNOLOGIES

Languages: C++, Python, Java, C AI/ML: Naive Bayes, Open CV, Matplotlib , Regression Model, Networkx	Database: SQL, Oracle DB, DBMS Miscellaneous: QGIS, Geopandas, DSA, OOP, GIT, JIRA , AWS, Docker , Terraform , Kubernetes
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CERTIFICATIONS

- Completed Web Development Course - Eduniox Learning
- Tata Group Data Visualization - Forage
- Workshop on Ethical Hacking and Cybersecurity - IEI CSE Chapter, Academy of Technology

ACHIEVEMENTS

- Finalist Frosthacks, West Bengal:** Built an innovative mental health related project among top inter-college teams.
- Kolkata Zonal Finalist IARC, Techkriti IIT Kanpur 2023:** Developed and programmed an arduino and lidar sensor based vehicle for competition tasks.
- Member IEI CSE Chapter, AOT:** Engaged in technical workshops, peer-learning, and inter-college events.