ANNADA DASH

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EDUCATION

MKSSS Cummins College of Engineering for Woman, Pune, *Btech in Computer Engineering*   May 2025
MKSSS Cummins College of Engineering for Woman, Pune, *Honors in Data Science and ML*   May 2025

Courses: Digital Image Processing | DevOps | Cloud Computing | Business Intelligence | Advance ML | Gamification

EXPERIENCE

Jadavpur University, *Research Intern | On-site (Kolkata, India)*   Aug 2024 - Present
- Working under Prof. Ram Sarkar in the CMATER Lab, focusing on cancer classification using transfer learning and attention modules.
- Tech Stack: Python, TensorFlow.

Deutsche Bank, *Summer Intern | On-site (Pune, India)*   June - July 2024
- Worked in the Corporate Bank, deploying an entire service and modifying UI testing.
- Automated the entire CI/CD pipeline using Jenkins and GitHub Actions.
- Received the Quarterly Award in the Rising Star category.
- Tech Stack: Jenkins, GitHub Actions, Go, Groovy, Docker, Kubernetes.

Citi Bank, *Citi Bridge Trainee*   April -May 2024
- One of the top 47 trainees to get selected for the program.
- Acquired practical experience by creating a dynamic application using Springboot, Angular, MySQL.
- Worked on LLM's to create Document Summariser application.

Reliance Jio, *Software Intern | On-site (Mumbai, India)*   June 2023 - Aug 2023
- Worked as a software developer intern and worked in JioFace portal, where the front-end is primarily built using HTML, CSS and Javascript and Angular.
- Acquired practical experience with Azure DevOps, utilising its tools and services for project management.

Microsoft Cybersecurity Engage, *Mentee |* India   May 2022 - July 2022
- Wrote a research paper regarding threats to Oil and Gas Industry, and received a Merit Award
- Primarily focused upon importance of Information Security and threats in the IT and OT sector.

SKILLS

Programming and Web, App Languages: Python, Java, JavaScript, Kotlin, C*, HTML, CSS, JavaScript, Angular
DBMS, Business Intelligence, Cloud: MySQL, MongoDB, Firebase, Metabase, DOMO, Tableau*, Docker, AWS*, GCP
*= *Elementary Proficiency*

RESEARCH WORK

- **EcoTrack: A Mobile Application for Real-Time Carbon Footprint Tracking and Sustainable Living**, accepted by the IEEE International Multi-Conference on Smart Systems and Green Process 2024.
- **Securing Oil and Gas Infrastructure: An Analysis of Emerging Cybersecurity Threats**, accepted for presentation at the IEEE ICon EEI 2024 Conference.
- **Enhancing Carbon Emission Tracking with Gemini: An AI Solution for Sustainable Development.**

PROJECTS

EcoTrack App   Aug 2024
- Developed an app designed to calculate and track users' carbon footprints based on daily activities.
- Implemented a progress tracker to visualize realtime impact integrated a chatbot to give sustainability tips.
- Integrated a rewards system allowing users to earn points by engaging with educational resources and redeem them for eco-friendly products. Tech Stack: Android Studio, Java, SQLite, Vertex AI, Google Cloud, Python

Mentor-Connect App   Oct 2023 - Dec 2023
- Developed an app that will allow a user (mentee) to create an account and connect with the mentors of their interest domain. And also share resources of the relevant desired technology. Tech Stack: Firebase, Java, Android Studio

Sign Language Prediction, using Image Processing   Oct 2023
- Used Digital Image Processing techniques to help in detecting real-time Sign Languages. Used CV, Image processing techniques and CNN for implementation

Voice Emotion Detection and Song recommendation   April 2023
- Used Support Vector Machine, to predict a person's emotion by taking audio file as input and further recommending songs using Spotify API based on their emotion. Deployed using Tkinter, Python, Jupyter Notebook.

ACHIEVEMENTS

- **Harvard WeCode Scholar** - Received **complete scholarship** to attend Harvard WeCode event 2023.
- **Grace Hopper Celebration** - Received **Advancing Inclusion Scholarship** to attend GHC 2024.
- **Amazon ML Hackathon** - Secured **rank 76** out of **26000 applicants**.
- **ACM CCGRID 23** - Got **scholarship** and travel grant for 23rd IEEE/ACM International Symposium.
- **International TomTom Hackathon** - Won the best post for frontend solution out of **1000+ applicants**.
- **Student of the Year Award** - Won the **Student of the Year Award** by **Times of India**.
- **WWT All India Women Hackathon 2024** - Ranked **Top 5** out of **20,000+ participants**.
- **Hacktoberfest 23** - One of the **top 40,000 finishers** of merging 5 requests on GitHub.
- **COEP MindSpark NeuroHack Hackathon** - Won **2nd prize** out of **400+ participants** for ML model.
- **UBS Hackathon** - Successfully qualified to **top 10** out of **300+ participants**.
- **AutoMathon 2022** - Secured **2nd rank** in National Level hackathon out of **300+ applicants**.

POSITION OF RESPONSIBILITY

Head, *Code Club CCOEW*   Aug 2023 - Ongoing

- Leading all the work handled in Code Club

Technical Head, *ACM- W Cummins Chapter*   Jan 2023 - Ongoing

- Leading the technical team to make changes in ACM Cummins Website.