

ANNADA DASH

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EDUCATION

MKSSS Cummins College of Engineering for Woman, Pune, Btech in Computer Engineering

GPA: 3.7/4

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

EXPERIENCE

Jadavpur University, Research Intern | On-site (Kolkata, India)

Aug 2024 - Present

- Working under Prof. Ram Sarkar at 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

- Became the first-ever intern at Deutsche Bank to receive the Quarterly Award in the Rising Star category.
- Worked in the Corporate Bank, deploying an entire service and modifying UI testing.
- Automated the entire CI/CD pipeline using Jenkins and GitHub Actions.
- Tech Stack: Jenkins, GitHub Actions, Go, Groovy, Docker, Kubernetes.

Citi Bank, Citi Bridge Trainee | On-site (Pune, India)

April - May 2024

- One of the top 47 trainees to get selected for the program.
- Acquired practical experience 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 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 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 PUBLICATIONS

- Dash, A., **Securing Oil and Gas Infrastructure: An Analysis of Emerging Cybersecurity Threats**, appeared in IEEE (IConEEI), 2024. DOI: [10.1109/IConEEI64414.2024.10747998](https://doi.org/10.1109/IConEEI64414.2024.10747998).
- Dash, A., Mathur, B., and Patil, P., **EcoTrack: A Mobile Application for Real-Time Carbon Footprint Tracking and Sustainable Living**. Submitted at IEEE IMC-SSGP'24.
- Dash, A., Mathur, B., and Patil, P., **Enhancing Carbon Emission Tracking with Gemini: An AI Solution for Sustainable Development**. To appear in IEEE ICAET 2025.
- Dash, A., Sarkar, R., and Pramanik, P., **Residual CBAM: A Novel Approach to BreakHis Classification Using Histopathology Samples**. Submitted at IEEE ISACC 2025.

AWARDS

- Rising Star Quarterly Award, Deutsche Bank 2024** - First intern awarded for outstanding performance.
- Student of the Year Award** - Won the **Student of the Year Award** by **Times of India**.
- Microsoft Cybersecurity** - Received Merit Award for being in top 50 students in India.
- COEP MindSpark NeuroHack Hackathon** - Won **2nd prize** out of **400+ participants** for ML model.
- AutoMathon 2022** - Secured **2nd prize** in National Level hackathon out of **300+ applicants**.
- International TomTom Hackathon** - Won the best post for frontend solution out of **1000+ applicants**.

RANKINGS

- Amazon ML Hackathon** - Secured **rank 76** out of **26000 applicants**.
- Deutsche Bank Global Hackathon for Dementia** - Ranked in **top 50** out of **5000+ teams globally**.
- WWT All India Women Hackathon 2024** - Ranked **Top 5** out of **20,000+ participants**.
- UBS Hackathon** - Successfully qualified to **top 10** out of **300+ participants**.

SCHOLARSHIPS

- **Harvard WeCode Scholar** - Received **complete scholarship** to attend Harvard WeCode event 2023.
- **Grace Hopper Celebration** - Received **Advancing Inclusion Scholarship** to attend GHC 2024.
- **ACM CCGRID 23** - Got **scholarship** and travel grant for 23rd IEEE/ACM International Symposium.

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.

Position of Responsibility

Code Club

Nov 2022 – Ongoing

- Head (Aug 2023 – Ongoing): Leading all activities and initiatives of the club.
- Organizer (Nov 2022 – Jul 2023): Organized orientation for 200+ students and Ideathon for 150+ students.

ACM-W Cummins Chapter

Jan 2023 – Ongoing

- Technical Head (Aug 2023 – Ongoing): Directing the website, technical activities and events.
- Technical Team Member (Jan 2023 – Jul 2023): Implemented and updated the ACM Cummins Website.

SOCIAL WORK

Volunteer, Samyak Drishti Foundation (NGO)

July 2022 - Ongoing

- Lead the awareness campaigns along with 20 other volunteers, organised 'Save Apta Leaves'.
- Lead a Clothes Donation Drive, collected clothes from the hostel and college and distributed them among students in the Rural Areas.
- Teaching elementary science and mathematics to underprivileged students.