

Pursuing a **Minor degree in Machine Intelligence & Data Science**

SCHOLASTIC ACHIEVEMENTS

- Awarded **AP** grade (top **7/1400+**) for exceptional performance in **CH105 Chemistry course** (2020)
- Secured **All India Rank 34** in JEE Advanced examination among 1,50,000 candidates (2020)

INTERNSHIP EXPERIENCE

Software Development Trainee | Greatfour Systems (December 2021)

A team of 60 developing Harmony, a platform to aid pharmaceutical companies in medicine development

- Utilised **Python API** for **OpenCV** and **MTM** in image resizing and multi-scale template matching
- Implemented **3+** enhancements to improve speed of source template to destination matching by **60%**

Data Analyst Pre-Intern | YoZu - IIT Bombay EdTech startup (May 2021)

YoZu is developing an AI assistant for instant redressal of students' (K10) academic doubts

- Classified **450+** queries into **5** structural categories to optimize fine-tuning of **T5 transformer model**

PROJECTS UNDERTAKEN

SNAP Moodle | Course Project - Software Systems Laboratory (Autumn 2021)

Guide: Prof. Amitabha Sanyal, Department of Computer Science & Engineering

- Implemented a **MOODLE** with a **Django REST** framework for backend consisting of **models** for Users, Assignments and Courses and access restrictions for Students, Teaching Assistants and Teachers
- Created an interactive **user interface** using **React JavaScript library** for the frontend

Introduction to App Development | Web & Coding Club, IIT Bombay (Summer 2021)

- Utilized **Flutter SDK** (Google's UI Toolkit) integrated with **Android Studio** and **Dart** programming language (developed by Google) as codebase to develop and debug applications on a virtual device
- Successfully built **3 Android applications** (apk packages) from scratch including a **calculator**, a **quiz app** and a location-based **weather app** (by integrating an externally offered weather API)

Scotland Yard | Course Project - Software Systems Laboratory (Autumn 2021)

Guide: Prof. Amitabha Sanyal, Department of Computer Science & Engineering

- Implemented a **client-server model** to simulate a socket connection with **threads** listening on ports

Maze Game | Course Project - Programming Paradigms Laboratory (Spring 2021)

Guide: Prof. Rushikesh K. Joshi, Department of Computer Science & Engineering

- Created a graphics-based **N × N maze** game using **FLTK** (Fast Light Toolkit) widget library and **C++**

POSITIONS OF RESPONSIBILITY

Class Representative | Department of Computer Science & Engineering (Autumn 2021 - Present)

- Serving as a **point of contact** between professors, CSE council and a batch of **175+** undergraduates
- **Led the creation** of a Telegram group to host polls for collection of data representing batch opinion

Teaching Assistant | MA109 - Calculus I, IIT Bombay (Winter 2021 - Present)

- Selected as a Teaching Assistant to conduct weekly interactive doubt sessions for batch of **45+** UGs

TECHNICAL SKILLS

Languages	Python, C/C++, Java, Dart, Bash, Sed, Awk, Prolog
Data Science	NumPy, Pandas, Matplotlib, SciPy, OpenCV-Python
Development	Django, JS, HTML, CSS, React, Redux, PostgreSQL, Flutter, Prompt-Toolkit
Software	MATLAB, LaTeX, Git, Android Studio, GDB, Docker, ROS, Gazebo

EXTRACURRICULAR ACTIVITIES

- Awarded **special mention** for exemplary volunteering work under NSS Green Campus (2020 - 2021)
- Completed LaTeX Bootcamp at Learner's Space, IIT Bombay to **typeset technical documents** (2020)