

PARTH JAIN

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EDUCATION

Atharva College of Engineering <i>Bachelor of Engineering in Information Technology, Honours in Data Science</i>	GPA: 9.06 Dec. 2021 – May 2025
Higher Secondary Certificate (XII) <i>Science - PCM, Maharashtra State Board</i>	Percentage: 93.17% 2021
Secondary School Certificate (X) <i>Sundaram Central School - CBSE</i>	Percentage: 94% 2019

EXPERIENCE

Research Intern <i>e-Yantra, IIT Bombay</i> <ul style="list-style-type: none">Working on Systematic Literature Review for automating Thematic Analysis or Qualitative Analysis using AI tools.Developing a tool to automate the process of conducting thematic analysis using LLMs.	May 2025 – Current <i>Powai, Mumbai</i>
Data Analysis and Research Intern <i>e-Yantra, IIT Bombay</i> <ul style="list-style-type: none">Research findings were published in Springer as part of COMPUTE 2024.Developed a data collection pipeline from video recordings using OpenCV, OCR and Pandas that increased the volume of the usable data by over 200%.Explored ways to analyse and visualize the log data using various types of graphs using tools like Celonis and Matplotlib.	May 2024 – July 2024 <i>Powai, Mumbai</i>
Backend Development Intern <i>Engaze</i> <ul style="list-style-type: none">Worked on data modeling and creating and testing APIs using Node JS, and Mongo DB for a social media startup called Engaze.	Dec 2023 – Jan 2024 <i>Remote</i>
Android Development Intern <i>Shreemati Nathibai Damodar Thackersey (SNDT) Women's University</i> <ul style="list-style-type: none">Built an android application using Kotlin and Jetpack Compose Library called <i>COPD-Asthma Healthcare</i>.The application was used by hundreds of patients as part of research on healthcare interventions for COPD and asthma management.I worked with location services, Google Firebase, Geofencing API, Weather API, etc.	July 2023 – October 2023 <i>Remote</i>

PUBLICATIONS

"Enhancing and Analyzing Log Generation for Collaborative Problem-Solving Activities: Video Analysis and OCR Techniques" <i>COMPUTE 2024, ACM India Conference, Springer</i> <ul style="list-style-type: none">Published in Springer Nature: DOI: 10.1007/978-3-031-84391-4.11.Presented at COMPUTE 2024, IIT Gandhinagar, organized by ACM India and ISIGCSE.Developed log generation methods to track user behavior patterns in collaborative problem-solving.	March 2025
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ACHIEVEMENTS AND CERTIFICATIONS

Secured **AIR 5** among 460 other teams at E-Yantra Robotics Competition, at IIT Bombay.
Winner of UNPLUGGED 2.0 hackathon at Dwarkadas J. Sanghvi College of Engineering.
Secured **5th** position among 35+ other teams appearing for Know Code hackathon at K J Somaiya Institute of Technology.
Completed **Supervised Machine Learning: Regression and Classification** from DeepLearning.AI on Coursera.
Completed **Advanced Machine Learning Algorithms** from DeepLearning.AI on Coursera.

PROJECTS

RAG-Based System for Enhanced Information Retrieval of Browsing Activities <i>Python, RAG, LLM, BLIP</i> <ul style="list-style-type: none">Developed a system using RAG and LLMs to enhance productivity through continuous screenshot capture, real-time image captioning, and browser history tracking.Streamlined information retrieval by creating structured timelines of user activities.	Aug 2024 – Present
ElderEase <i>Kotlin, React, MongoDB, Fast API, LangChain, AI agents</i> <ul style="list-style-type: none">An app for elderly people where users(elders) can use the app to chat with their schedule or get any medicinal or general information using a ReAct-Based AI agent built using LangChain.A website for their relatives and doctors to manage their schedules.	Dec 2024 – Jan 2025

TECHNICAL SKILLS

Languages: Python, Kotlin, Dart, C/C++, SQL, JavaScript, Java, HTML/CSS
Skills: **Frameworks:** React, Node.js, Flask, Flutter, FastAPI, LangChain
Developer Tools: Git, Docker, Google Cloud Platform, AWS
Libraries: Jetpack Compose UI library, OpenCV, Tensorflow, Keras, Pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn, NLTK