

# ASHISH JAIN

✉ ashish.ashish.jain591@gmail.com

☎ +91 9694555505

in linkedIn

github

personal website

## EDUCATION

- **Indian Institute of Technology Madras**, Chennai, India Jul 2016 - Jun 2021  
**Degree:** B.S+M.S, Biological Sciences; **Specialization:** Computational Biology
- Semester Exchange at **Instituto Superior Técnico, Lisbon** Feb 2019 - Jul 2019
- INSPIRE Fellowship Scholar, Department of Science and Technology, India 2017 - 2020
- **Coursework:** Deep Learning, Machine Learning, Computational Neuroscience, Data Structures and Algorithms, Analysis and Interpretation of Biological Data, BioStatistics, Bioinformatics, Series and Matrices
- **Skills:** Python, Pytorch, Numpy, SQL, Javascript, TypeScript, Node.js, MongoDB, React.js, React Native, Next.js

## PROFESSIONAL EXPERIENCE

**Homble** - *pre-seed startup building marketplace for chemical free groceries*

Founding Engineer

May 2023 - Ongoing

- Building a **label reader** to identify possible harmful ingredients in packaged foods using **easyOCR** and OpenAI apis
- **Managing** a team of 2 and **leading development** across 3 web applications: consumer, seller, and hub
- Launched multiple features to improve **product discovery** like product collections, recommendations and search
- Built CRM and logistics dashboard, cutting issue resolution time by **60%** and increasing operational capacity by 200%
- **Tech Stack** used across 3 apps - Django, React, Redux

**Hiver**, *Series B funded customer service platform on top of Google Workspace*

Software Developer

Jun 2021 - Aug 2022

- Revamped mobile application UI by developing reusable components in React Native, making it scalable
- Integrated Gmail Inbox into the application, resulting in an **20%** increase in number of **daily user sessions**
- Enhanced application performance with React Query for data fetching and Realm JS for **UI responsiveness**
- **Tech Stack** used - React Native, Realm Db, React Query, React Native Paper, Gmail APIs

## PROJECTS

**Curations Club** 🌐, *A web app to share content recommendations*

Dec 2023 - Ongoing

- Built **natural language search** for curated items using **OpenAI APIs** for embeddings and **Pinecone** for database
- Achieved **"Product of the Day #2"** on Product Hunt; currently used by **450+ people** with **1000+** curated items
- Designed and built the web app using Express, MongoDB, Next.js, Tailwind CSS, and Typescript
- Developed RESTful APIs for frontend integration and Enhanced the SEO through server side rendering

**Poke Connect** 🌐, *A web app to find probable co-passengers traveling to/from airport*

Dec 2022 - Mar 2023

- Built backend CRUD APIs using Express, MongoDB and Socket.io and frontend using React and Redux
- **Designed an algorithm** to match people by calculating **travel distance delta** using the Google Direction Service

**Automated Face Recognition**, *Computational Neuroscience*

Jan 2020 - May 2020

- Processed 15 grayscale images for 10 subjects and performed **SVD** to extract representative characteristics
- Achieved **99.3% recognition accuracy** by comparing norms with representative images, hence reducing storage load

## EXTRA-CURRICULAR

**Sports Organizing Committee**, *Sponsorship and Public Relations Head*

May 2019 - Apr 2020

- Led a team of 5 coordinators; Rebranded IIT M Sports Fest to 'Agrata', generating a 95% increase in footfall
- Launched a PAN-IIT fitness 'WIN INDIA MOVEMENT' during lockdown headlined by Mr. Sunil Shetty

**Football**, *Member of Institute and Hostel football team*

Aug 2016 - Mar 2020

- Member of Institute Football Team at Inter IIT Sports Meet; Hostel Football Team **Captain**, **1st** in Deans Trophy