

ASHISH JAIN

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in linkedIn

github

personal website

EDUCATION

- **Indian Institute of Technology Madras**, Chennai, India Jul 2016 - Jun 2021
Degree: B.S+M.S, Biotechnology; **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, Django, TypeScript, Node.js, MongoDB, SQL, Javascript, React.js, React Native, Next.js

PROFESSIONAL EXPERIENCE

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

Founding Engineer

May 2023 - Ongoing

- **Managed** a team of two and **led architecture and development** of three web applications: consumer, seller, hub
- Built a **label reader** using **OCR** and **GenAI APIs**, for real-time detection of harmful ingredients in packaged food
- Launched features to **enhance product discovery**, including collections, recommendations, and advanced search
- Built **CRM** and logistics dashboard, cutting issue resolution time by **60%** and increasing operational capacity by 200%
- **Tech Stack** used across 3 apps - Python, Django, Javascript, React, Redux

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

Software Developer

Jun 2021 - Aug 2022

- Built a **design system** and **reusable components** to improve maintainability and consistency in mobile app
- Integrated **Gmail APIs** into the application, resulting in an **20%** increase in number of **daily user sessions**
- Enhanced **app performance** with React Query for data fetching and Realm JS for **UI responsiveness**
- **Tech Stack** used - Typescript, 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

- Developed a robust **backend infrastructure**, building **CRUD APIs** with **Express.js** and **MongoDB** to manage data
- **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