

Education

Dual Degree in Agricultural and Food Engineering	Jul '17 - Jul '22
Indian Institute of Technology Kharagpur	Kharagpur, India
<i>Micro Specialization in Entrepreneurship and Innovation</i>	

Professional Experience

Lead (Application Engg) Tiger Analytics, Bangalore	Jan'25 - Present
Leading feature integration, refactoring, and scalable architecture across React and FastAPI, Driving end-to-end development, code reviews, and cloud-native deployments using AWS (S3, RDS, EC2), with a focus on performance, maintainability, and CI/CD automation of a marketing mix application	
Senior Engineer (App Engg) Tiger Analytics, Bangalore	Jun'23 - Dec'24
Project 1: Collaborated with a multidisciplinary team of Consultants, Data Scientists, DevOps Engineers, and Developers to architect and launch a feature-heavy B2B marketing mix application . Leveraged React with TypeScript and Material UI to develop a highly responsive, scalable, and visually intuitive user interface. Designed and implemented a suite of reusable, modular components, including dynamic charts, data tables, dropdowns, file upload/download capabilities, and streaming features. Used FastAPI to create RESTful APIs , integrated them for seamless data retrieval & submission, utilizing React Query for efficient client-side caching and Redux to manage complex application state, API interactions, and global data flow	
Project 2: Designed and developed OCR, Translate, and Image Generator applications with features like file handling and user feedback (like, comment), optimized workflows using S3 presigned URLs, integrated WebSocket communication, and improved prop flow with Context API for a GenAI application	
Analyst (Data Science) Tiger Analytics, Chennai	Jun'22 - May'23
Estimated the Conversion Likelihood of Opportunities using statistical tests, EDA & feature engineering, building a logistic regression model	

Projects

PrepMe.Ai	Mar'25 - Present
Leading the development of a student-focused application using React and TypeScript for front-end, FastAPI for backend, and AWS infra for hosting & storage. The platform enables students to upload & curate content, interact with LLMs for personalized learning, and create & take custom assessments	
Analytics Dashboard Quick Commerce	Apr'25
Developed scalable, JSON-controlled data visualization components using React, MUI, and Recharts, leveraging Cube.js for efficient data querying	

Internships

Process Excellence Intern (DS) EpiSource, Chennai	Jan'22 - May'22
Accustomed to medical coding and leveraged data analytics tools to adjust the penalty risk associated with US Health Insurance Business; Programmed multiple algorithms in SQL & pandas to process medical claims, codes, and pharmacy data retrospectively to flag issue codes	
Business Analyst DS Intern Sitel Group India, Mumbai	Jun'21 - Jul'21
Supported a leading tire manufacturer in automating customer service by tagging 10,000+ customer reviews for topic extraction and sentiment analysis	
Data Science Intern Curl Analytics, Bangalore	May'21 - Aug'21
Project1: Leveraged python (pandas) for generating personalized insights, performing EDA, performing feature importance & engineering new features	
Project2: Automated the extraction and reorganization of data output from pdfplumber and easyocr into word, line, paragraph and page levels	
Machine Learning Intern VegaMX Inc., USA	May'19 - Jul'19
Developed a Corn Yield Prediction Model using 38 years of climate, satellite, and geospatial data, improving MAE from 9.12 to 3.14	
Graphic Designer CheckMyGaadi, New Delhi	Dec'20 - Mar'21
Designed and executed publicity strategies to attract a larger audience, creating over 100 engaging creatives using Adobe Photoshop and Illustrator	

Extra Curricular Activities

- **President, Prakriti 2021:** Elected representative of AgFE Department responsible for the conduction of annual Agri and Food innovation festival
- **Governor, RCA IIT KGP:** Responsible for the management of 41 members team including Sponsorship, Management, Publicity and Graphic Design
- **RK Hall IIT KGP:** Vice Captain of Silver winning Illumination team | Awarded as Best Secretary 2018-2019 | Bagged 2 silver medals in Athletics GC

Skills

React JS (Redux/Context/TanStack), Redux, UI/UX, JavaScript, TypeScript, Material UI, HTML/CSS, REST, Node.js, AWS, Web3, Python, SQL, CubeJs, FastAPI, Git/GitHub/Bitbucket, Docker, Artificial Intelligence, Data Structures and Algorithms, System Design, Analytics, Problem Solving