

Dhinakaran Chandrasekar

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Professional Summary

Fullstack Developer with experience in building scalable web applications, automation tools, and data dashboards. Proficient in React.js, TypeScript, Node.js, and Python. Currently pursuing a Master's in Data Science at Middlesex University Dubai, blending engineering and analytics skills to deliver effective digital solutions.

Work History

Developer | iOL | 04/2024 - Present

- Designed and developed scalable fullstack web applications using React.js, TypeScript, Node.js, and Python.
- Built automation scripts to streamline internal processes, saving manual effort and improving team productivity.
- Collaborated with cross-functional teams to integrate APIs, manage databases, and deliver end-to-end solutions.
- Contributed to data science tasks including data preprocessing, model deployment, and performance analysis for business insights.

Business Analysis Intern | Remote | 01/2024 - 04/2024

- Developed interactive Power BI dashboards to monitor key business metrics and present actionable insights to stakeholders.
- Automated report generation and data visualization to streamline decision-making processes.
- Collaborated with teams to identify business requirements and translate them into data models and visual reports.

Freelance Web Developer | Remote | 09/2023 - 01/2024

- Designed and built responsive websites and dashboards using modern web technologies.
- Worked closely with clients to gather requirements, deliver custom features, and maintain deployments.
- Leveraged tools like React.js, Node.js, and Python for backend integration and frontend interactivity.

SDE I | CareerLabs, Bangalore | 12/2021 - 08/2023

- Built and maintained fullstack web applications using React.js and Node.js.
- Integrated RESTful APIs, handled routing and state management, and implemented UI components.
- Collaborated in Agile environment to deliver internal tools and learning platforms.

Projects

Analytics Web App

- Designed and developed a full-featured analytics dashboard web app used internally by the company and accessible to clients.
- Acted as a solo frontend engineer and contributed partially to backend development.
- Integrated interactive visualizations to display real-time company metrics.

Hotel Room Price Comparison Web App

- Built a fullstack web application to compare hotel room prices from various external sources with the company's listings.
- Developed a custom script to match hotel room names and identify pricing discrepancies across sources.
- Delivered a user-friendly interface with dynamic filtering and search for business use.

Education

MSc Data Science | Middlesex University, Dubai | Expected 09/2023 - Current

B.Tech CSE | Kalasalingam Academy of Research and Education, India | 07/2018 - 04/2022

Publication

An Automated House Plan Generator Using Machine Learning, IEEE Xplore, 2021

- Used genetic algorithms to automate design of efficient house floor plans, enhancing productivity.

Certifications and Licenses

- British Airways Job Simulation Certification (Forage)
- AWS Academy Machine Learning Foundations
- Data Visualization with Power BI (Great Learning)

Skills

Frontend:React.js, TypeScript, JavaScript, HTML5, CSS3, Tailwind CSS

Backend:Node.js, Express.js, Python

Databases:SQL, PostgreSQL

Tools & Platforms:Power BI, Tableau, GCP, AWS, Git, WordPress

Big Data:Hadoop, MapReduce