

Darin Davis Johnson

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Results-driven Software Engineer with a solid foundation in data structures, algorithms, and software development. Skilled in Python, Java, and C, with experience building high-performance applications. Passionate about developing scalable and efficient software solutions. Successfully contributed to real-world aerospace software development at HAL. Eager to bring problem-solving skills and technical expertise to impactful projects.

PROFESSIONAL EXPERIENCE

HINDUSTAN AERONAUTICS LIMITED (HAL)

Bengaluru, India

Software Engineering Intern

April 2024 - May 2024

- Developed and integrated a mission-critical software application for helicopter pilots using Java (Eclipse IDE), ensuring real-time data visualization and seamless system communication.
- Engineered a secure LAN-based interface, enabling the application to receive and display real-time operational data from an external system while adhering to strict security protocols.
- Optimized data handling and UI responsiveness, reducing latency by 30%, ensuring faster and more accurate information delivery for pilots.
- Accelerated project completion by 50%, delivering 80% of the assigned work within one month, exceeding expectations for a two-month timeline.

EDUCATION

CHRIST UNIVERSITY

Bengaluru, India

Bachelor of Technology in Computer Science and Engineering with Data Science,
Expected Graduation 2026

August 2022 - April 2026

- Average GPA : 3.7/4
- Relevant coursework: Data Structures, Algorithms, AI, ML, Databases, SQL.

CERTIFICATIONS AND PROJECTS

KERALEEYAM ASSOCIATION WEBSITE

February 2025

- Developed and deployed a full-stack website for 50+ members of the Keraleeyam Association using TypeScript, Supabase, and React.js.
- Reduced manual effort by 60% by implementing automated database integration for dynamic content management and user interactions.
- Collaborated in a team of 5, ensuring 100% on-time deployment and smooth feature integration.
- Live Demo: keraleeyam.vercel.app

BRITISH AIRWAYS DATA SCIENCE VIRTUAL EXPERIENCE – FORAGE

July 2023

- Performed web scraping to extract & analyze customer insights from airline datasets using Python and BeautifulSoup.
- Built a predictive model using Machine Learning (Logistic Regression) to forecast customer buying behavior with an accuracy of around 90%.
- Applied data visualization (Matplotlib) to identify booking trends and customer preferences.

FACE DETECTION SYSTEM

September 2024

- Developed a real-time face detection application using Python, OpenCV and Haar Cascades.
- Implemented image processing techniques for accurate face recognition.

NoSQL and DBaaS 101 - IBM

October 2023

INTRODUCTION TO CYBERSECURITY - CISCO

June 2023

SKILLS

Python | Java | JavaScript | DSA | SQL | Problem Solving | TypeScript | Rest API | Git | Fast Learner | Communication