

R Khushwith Kumar

Bengaluru, India

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khushwithportfolio.vercel.app

Summary

Final-year Computer Science & Engineering (Data Science) student at RNS Institute of Technology, Bengaluru, with strong foundations in Java, Data Structures, and full-stack web development. Experienced in building real-world projects using React, Node.js, Express, and PostgreSQL, with hands-on exposure to REST APIs and deployment. Actively seeking a Software / Full-Stack Developer Internship starting **January 2026**.

Education

RNS Institute of Technology (RNSIT)

Bachelor of Engineering — Computer Science & Engineering (Data Science)

Bengaluru, India

Expected Jun 2026

- **CGPA:** 8.41 / 10.0
- **Relevant Coursework:** Data Structures & Algorithms (Java), Object-Oriented Programming, DBMS, Operating Systems, Computer Networks

Technical Skills

- **Languages:** Java, JavaScript (ES6+), Python, SQL, C++
- **Frontend:** HTML5, CSS3, React.js, Responsive Design
- **Backend:** Node.js, Express.js, REST APIs, JWT Authentication, MVC Architecture
- **Databases & Cloud:** PostgreSQL, MongoDB, MySQL, Docker, Vercel, Render
- **Developer Tools:** Git/GitHub, VS Code, Postman, Linux CLI

Projects

Autonomous Vehicle Simulation — Python, PyTorch, CARLA, Computer Vision

Aug 2025 – Present

- Built an autonomous driving pipeline using **8,000+ labeled frames** from Cityscapes and CARLA datasets.
- Designed and trained a **PyTorch autoencoder** for visual feature extraction with inference latency under **50 ms**.
- Applied behavioral cloning (CNNs) to predict steering and throttle, reducing navigation errors by **30%**.
- **GitHub:** github.com/kushwith03/Autonomous-Vehicle

InstaResume — AI Resume Generator — React.js, Node.js, Tailwind CSS

Mar 2025 – Jul 2025

- Developed a resume builder with live preview using **React Hook Form**.
- Integrated **jsPDF** for client-side PDF generation, reducing formatting time by **40%**.
- Optimized rendering to maintain **60 FPS** during continuous input.
- **GitHub:** github.com/kushwith03/SCT_WD_3

BlogSpace Application — Node.js, Express.js, PostgreSQL, JWT

Nov 2024 – Jan 2025

- Designed RESTful APIs using **MVC architecture**; implemented authentication with **JWT**.
- Deployed on **Render** with secure environment configuration.
- **GitHub:** github.com/kushwith03/blogspace

Certifications & Achievements

- Solved **200+ DSA problems**; strong in Arrays, Linked Lists, Strings, and Recursion.
- **Microsoft Certified: Azure Data Fundamentals (DP-900)**.
- Represented college at **state-level Powerlifting and Kabaddi** competitions.