







# RAHUL KRISHNAN A

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## EXPERIENCE

**RocketLane | SDE Intern (Backend)** 

Jan 2025 – Jun 2025 | Chennai, India

- Developed and improved backend services using Java (Spring Boot) for both internal tools and public-facing APIs.
- Built Retool-based interfaces and backend logic for features like the HubSpot field mapping validator and Salesforce diagnostic report. This streamlined workflows for Support and Customer Success teams, improving efficiency.
- Contributed to the development of CRUD-based public API modules for groups, permissions, and roles, leveraging internal legacy frameworks and validating implementations through Gherkin-based integration tests. This directly supporting Rocketlane's MCP platform and public API documentation.

## EDUCATION

**B.E. Computer Science and Engineering**

Dr. Mahalingam College of Engineering and Technology

CGPA: 8.61

2021 – 2025 | Pollachi, India

**Grade 12 (CBSE)**

Kathir Vidyaa Mandhir

PERCENTAGE: 82

2021 | Coimbatore, India


**Grade 10 (CBSE)**

Srinivasa Public School

PERCENTAGE: 90.2


2019 | Udumalpet, India

## PROJECTS

**Website for Payroll Management System | PHP, jQuery & MySQL** 


2022

- Worked in a team of four to create a streamlined Payroll Management System website using PHP, jQuery & MySQL.
- Implemented efficient CRUD functionalities, optimizing data management and system accessibility.

**IoT based Water Quality Monitoring System | C, Blynk** 


2023

- Developed a Water Quality Monitoring System using Embedded C and Blynk, specifically measuring Total Dissolved Solids (TDS) for comprehensive analysis.
- Collaborated with a team of three to develop a responsive solution, reducing response time to water quality fluctuations.

**Climate-Resilient Crop Yield Prediction System | Python** 

2024

- Developed a Climate-Resilient Crop Yield Prediction System with a team of three.
- Leveraging Python, the project incorporates advanced Machine-Learning algorithms to analyze climate data and predict crop yields.
- Anticipating a significant advancement in agriculture by providing accurate and timely crop yield predictions.

**Advanced Sentiment Analysis of Movie Reviews | Python** 

2025

- Built a sentiment classification system using RoBERTa with a team of three, achieving **92.72%** accuracy on the IMDb 50K movie reviews dataset.
- Enhanced model performance through synonym-based Data Augmentation, effectively doubling the dataset to improve generalization.
- Deployed a real-time Flask web app for user sentiment input, demonstrating the practical use of advanced NLP techniques.

## TECHNICAL SKILLS

**Languages:** C, Java, Python    |    **Back-End:** Java (Spring Boot)    |    **Database:** MySQL, PostgreSQL    |    **Tools:** Github, Postman

## CERTIFICATIONS

**NPTEL | Introduction to Programming with C:** 

Earned **Elite + Silver** Certification with a score of **77%**.




Feb 2022 – Apr 2022

**NPTEL | The Joy of Computing Using Python:** 

Earned **Elite + Silver** Certification with a score of **87%**.

Jul 2023 – Oct 2023

## AWARDS

- Poster Competition:**   
2nd prize at KCT Business School, Coimbatore. (2022)
- Blind Coding:**   
2nd prize at Shree Sakthi Engineering College, Coimbatore. (2023)
- Code-Clue-Crew:**   
3rd prize in Intra College Technical Event. (2023)