

# PATHAPALEM RAMKUMAR

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## OBJECTIVE

Aspiring Software Developer with strong foundations in Data Structures, Algorithms, and Object-Oriented Programming. Proficient in Java and Spring Boot with hands-on experience in designing, developing, testing, and deploying scalable web applications. Portfolio: <https://ramkumar-portofolio.vercel.app>

## SKILLS

- Programming Languages:** Python, Java, JavaScript(basic)
- Databases:** MySQL, JDBC, SQL
- Cloud & Deployment:** Google Cloud Run, Firebase
- Tools:** Canva,Google Colab, VS Code, Eclipse
- Office Suite:** Word, Excel, Powerpoint, Forms
- Core Concepts:** Data Structures, Algorithms, OOP, Problem Solving
- Frontend Technologies:** Html, CSS
- Dev Tools:** Google AI Studio, Bolt.new, Lovable.dev
- Version Control:** Git, GitHub

## EDUCATION

### Bachelor of Computer Science and Engineering

09/2022 - 04/2026

SRI VENKATESA PERUMAL COLLEGE OF ENGINEERING & TECHNOLOGY (Puttur in Andhra Pradesh, India)

- CGPA: 9.2

### Intermediate in M.P.C

06/2020- 04/2022

AP MODEL SCHOOL & Jr COLLEGE (KVB Puram in Andhra Pradesh, India)

- Marks: 891

## EXPERIENCE

### Data Science & ML Intern, YBI Foundation (Online)

06/2024 – 12/2024

- Designed and developed Python-based data processing modules following SDLC practices using Pandas and NumPy.
- Collaborated with cross-functional teams to analyze requirements, build efficient data pipelines, and optimize performance.

## PROJECTS

### Learning Platform - LearnMate AI

- Designed and developed an AI-powered learning platform using TypescriptX, Firebase, and Google Cloud Run.
- Implemented scalable backend logic handling 50+ real-time executions daily.
- Focused on modular design, clean code practices, and deployment reliability.
- Project link :** <https://learnmate-ai-613530799292.us-west1.run.app/> 

### Spring Boot Order Management Web Application

- Built a Java-based CRUD web application using Spring Boot and MySQL following MVC architecture.
- Implemented RESTful APIs and database integration using JDBC.
- Improved maintainability through modular design and Maven dependency management.
- Project link:** [https://github.com/Ram-reddy-2004/SpringBoot\\_Order\\_Project](https://github.com/Ram-reddy-2004/SpringBoot_Order_Project) 

### Interactive AI Chatbot - Ram Chatbot

- Created an AI chatbot using the Lovable platform, integrating OpenAPI for messaging and Supabase for data security. Focused on user experience, backend management, and prompt engineering, enhancing skills in API integration.
- Project link:** <https://ramchatbot.lovable.app/signup> 

## ADDITIONAL INFORMATION

- Languages:** Telugu(Native), Tamil(Fluent), English(Proficient).
- Awards/Activities:** Won 1st prize at the CSTA Tech Fest for excelling in aptitude, reasoning, Python, and Java, outperforming senior teams in competition.
- Proof of Work:** All Certificates 