

# Ramya Sri Achanta

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## EDUCATION

### UNIVERSITY OF HOUSTON - CLEAR LAKE

M.S- COMPUTER SCIENCE  
Grad. 2024-2025 | Houston, TX  
GPA: 3.75 / 4.0

### AMRITA VISWA VIDYAPEETAM

B.TECH- COMPUTER SCIENCE AND ENGINEERING  
Grad. 2018-2022 | Coimbatore, TN  
Public Relations - Anokha Tech fest  
GPA: 7.63 / 10.0

## LINKS

Github:// [ramyaachanta](#)  
HackerRank:// [@ramyaraoachanta](#)

## COURSEWORK

### UNDERGRADUATE

Machine Learning  
Web Development  
Open Source Software Engineering  
Cloud Computing  
Computer Networks  
Unix Tools and Scripting

### GRADUATE

Database Management System  
Concurrent Programming and Software modelling  
Internet Protocols

## SKILLS

### PROGRAMMING

General

• Java • Python • Javascript • UNIX • GoLang • Dockers

Frontend:

• Html • CSS • Tailwind CSS • React JS • Node JS

Backend:

• Django • Kotlin • Java

Tools:

• Microsoft Office • Adobe • Selenium • Visual Studio • Pycharm • Anaconda • Jenkins • Github

Databases:

• MySQL • PostgreSQL • MongoDB

Soft Skills:

• CRM(Customer Relationship Management) • Strong Communication skills • Problem Solving

## EXPERIENCE

### UNIVERSITY OF HOUSTON-CLEAR LAKE

TEACHING ASSISTANT - DATABASE DEVELOPMENT AND CONCEPTS OF PROGRAMMING LANGUAGES | AUG 2024 - PRESENT | HOUSTON, TX

- Assisted in grading and evaluating assignments and projects for Database Development, covering topics such as database design, SQL queries, and data modeling.
- Facilitated clarifications and problem-solving in programming paradigms, database concepts, and language theory while supporting professors in class-related tasks.

### RADAR VENTURES PRIVATE LIMITED

SDE - I | SEP 2022 - DEC 2023 | CHENNAI, INDIA

Tech Stack used: React JS, Next JS, Tailwind CSS, Jotai, GoLang, Postgres, Kotlin, gRPC, Docker, ArgoCD, Postman

- Designed and implemented reusable, stylable web components and key service modules for the website, improving the overall user experience and functionality.
- Led the migration of the codebase across different versions of Next.js, ensuring smooth transitions and enhancing performance.
- Developed and maintained multiple microservices, including document generation services using Kotlin, designed for scalability and supporting both RESTful and gRPC-enabled services.
- Implemented multi-tenancy and access control mechanisms, enhancing product security and enabling user-specific functionalities with isolation between tenants.

### PRICEWATERHOUSECOOPERS INDIA (PWC)

INTERN - RISK ADVISORY | JAN 2022 - JULY 2022 | HYDERABAD, INDIA

- Tested a German client's risk and data analysis tool, documented bugs, and developed Python automation scripts for DevSecOps while building cybersecurity-related tools to enhance system security.

### MICROSOFT INDIA (R AND D) PVT LTD

INTERN - SWE | JUN 2021 - AUG 2021 | HYDERABAD, INDIA

- Worked on a sub-feature of the "Show Changes" functionality in Excel Online, primarily focusing on frontend development using React.

## PROJECTS

### UNIVERSITY COURSE PORTAL Feb 2024 – May 2024

- Developed a web application using HTML, CSS, Django, and PostgreSQL, enabling efficient course registration, assignment submissions, quizzes, and access to course materials and grades.
- Designed and modeled backend objects to ensure smooth data handling and user interaction within the application.

### QUIZ APP Jan 2021 – Jun 2021

- Developed an online quiz platform using Flutter, Node.js, MongoDB, and Docker for students and teachers. Contributed to static code analysis with Sonar Cube, HTTP testing with Postman, and deployment via Jenkins and Jira.