

REETHU RG THOTA

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COMPUTER SCIENCE ENGINEERING UNDERGRAD

EDUCATION

B.Tech Computer Science & Engineering (Hons) RV University	2022 - Present
<ul style="list-style-type: none">CGPA (until semester 3) : 9.68/10Minor in FintechCurrently in Semester 4	
Grade XII Delhi Public School, Bangalore South (CBSE)	2020 - 2022
<ul style="list-style-type: none">Percentage : 85%Group - Science, PCMCE (Physics, Chemistry, Maths, Computer Science, English)	
Grade X Delhi Public School, Bangalore South (CBSE)	2008 - 2020
<ul style="list-style-type: none">Percentage : 95%	

EXPERIENCE

Data Science Intern Essence Labs	July 2023 - Present
<ul style="list-style-type: none">Gathered extensive scientific research on menstrual cycles, hormonal fluctuations, and quantised energy levels, summarising it in a conclusion matrix.Developed science-based detailed daily insights organised by phase for Essence users.Created an innovative LLM algorithm to predict and optimize user task scheduling.	
Project Intern Broadrange AI	December 2023 - Present
<ul style="list-style-type: none">Developed a Generative AI chatbot using OpenAI's technology for NLP.Integrated text translation capabilities into the chatbot.Implemented an automated email sender within the system.	
Student Assistant RV University	January 2024 - Present
<ul style="list-style-type: none">Semester 4 - Object Oriented Programming with JavaSemester 1 - Fundamentals of programming in C	December 2022 - February 2023

SKILLS

Programming Languages

Python, C, Java, JavaScript, Swift, Solidity

Web Development

HTML, CSS, React, Tkinter, Streamlit, Node, Django (basic)

Database

MySQL, SQLite, Supabase, MongoDB (basic), Chroma DB

Machine Learning & Data Science Tools (basics)

Scikit-learn, TensorFlow, PyTorch, Keras, Pandas, NumPy, Matplotlib

Development Tools & Practices

Git, Github, GitActions, Github Pages, Docker, Google Cloud Platform, Bash (basics)

CERTIFICATIONS

Software Engineering Virtual Experience Program	July 2023
Hewlett Packard Enterprise view	
Generative AI Arcade Game	September 2023
Google Cloud view	
Google Cloud Computing Foundations	October 2023
Google Cloud view 1 2 3 4	
ETH PROOF: Beginner EVM Course	October 2023
Metacrafters	

ACHIEVEMENTS

Merit Scholarship RV University	September 2023
Awarded to those amongst the top 5% in the program for 2 consecutive semesters view	

PROJECTS

PDF Text Search & Chatbot with Text Translator github <i>Python, Langchain, Chroma DB, Streamlit, OpenAI API, GMail API</i> This application enables users to upload a PDF file, utilizing text extraction for vector representations via Chroma DB. Users can pose targeted questions about the document, coupled with precise language translations. Additionally, it automates the email process.	2024
E-Recruitment Platform github <i>Python, Supabase, Flask, React, Optical Character Recognition (OCR), Scikit-learn, nltk</i> A dual-user website employs backend ML to match recruiters with qualified applicants through resume analysis, featuring a sentiment-analyzing chatbot, automated email scheduling, and interview coordination for seamless recruitment processes.	2024
Domain Naming Service github <i>Solidity, React</i> Launched an on-chain Domain Naming Service (DNS) enabling ownership of .CryptoConnect domains. Developed a custom NFT contract, created a user-friendly dApp for wallet connection and minting, and deployed the solution on Polygon's Mumbai Testnet.	2023
Knowledge Distillation from VGG-16 to MobileNet github <i>Python, PyTorch</i> Currently working on implementing knowledge distillation techniques from VGG-16, an image classification network, to MobileNet, a lightweight architecture for mobile and embedded vision applications, aiming to optimize model efficiency while maintaining high performance.	Present
Gesture Recognition & Sign Language Quiz <i>Python, TensorFlow, HTML, CSS</i> <i>Presented in Student Project Showcase Proposal of the IEEE CCEM 2023 PRE-CONFERENCE & MENTORING WORKSHOP</i> view A website hosts a quiz that evaluates the accuracy of gestures captured by a device's camera. This tool aims to enhance communication by assessing the precision of performed gestures.	2023
Lead Management System <i>Python, MySQL, Tkinter</i> A basic lead management system employing Tkinter for its user interface and a robust database structure for seamless data storage, organization, and visualization.	2022
POLISH (Potential Of Logic In Speech & Hearing Impaired) <i>Game Development</i> Ongoing POC with Oorjja - An Ecosystem for Empowering Differently Abled Persons	2023 - Present

PATENT & PUBLICATION

Heat-activated adhesive polymeric material for tactile braille script generation on various surfaces <i>Patent Published</i>
Coimbatore Wet Grinders - GI paper <i>Publication in Process</i>

CLUBS & SOCIETIES

Core Member Google Developer Student Club - RV University Organised campaigns Google Study Jams 2023 and Discover, Design, Develop which compassed of Cloud Computing & Generative AI courses on Google Cloud Platform, Solutions Challenge, Web Development, Android, AI/ML and Flutter.	August 2023 - Present
Founding President Viksha - Coding Club of RV University Organised GIT101, Python Boot Camp & HackViksha - online coding contests held on HackerRank.	January 2023 - January 2024

CO-CURRICULAR ACTIVITIES

- **Hosted events at RV University** - emceed inaugural B.Tech class of 2027, moderated fireside chat with PayPal's VP, Mr. Guru Bhat.
- **Leadership roles at DPS** - Prefect, Junior Prefect, Peer Mentor.
- **Achievements & Certifications** - Silver Medal at State Taekwondo Championship, 1st Runners Up in Model Parliament, National Level French Olympiad participant, NSS 'A' Level Certification
- **Organized** - Boot Camp at RV University, fundraiser, science outreach, cultural events.
- **Volunteered** - FOSS Hack 2023 and SIH 2023.