Rohith Gowda D

✆+91-7795389758 | ✉rohithgowdadevaraju@gmail.com | 🔗 https://www.linkedin.com/in/rohith-gowda-d-479969217/ | �ನ https://github.com/RohithGowdaD

Education

R V Institute of Technology and Management	**Dec 2020 – June 2024**
Bachelor of Engineering in Computer Science	*CGPA – 8.27*
Alva's PU College	**Mar 2018 - Apr 2020**
Pre-University Education	*91%*
Alva's English Medium High School	**Mar 2018**
Karnataka State Board	*96.96%*

Experience

Boeing — **Sept 2024 - Present**
Software Engineer — *Bengaluru*

- Gained hands-on experience with Gitlab, AWS services and monitoring tools in the BSF project.
- Contributed to chatbot development using Python, FastAPI, and Angular, integrating Markdown files and customizing LLM-based API for improved user interaction.
- Containerized the chatbot with Docker, deployed via GitLab , and ensured functionality through testing.

GyanSys — **Jan 2024 -May 2024**
Salesforce Intern — *Bengaluru*

- Developed a Salesforce-based Hospital Management System to manage patients, appointments, and medical records.
- Designed custom objects, automation workflows, and role-based access for efficient data handling and security.
- Created user-friendly interfaces for appointment scheduling and record management.

Light of The Self Foundation (NGO) — **May 2023 - Nov 2023**
Intern — *Bengaluru*

- Improved speech recognition systems implemented speech-to-text translation and developed DOCX to MP3 conversion.
- Designed GUIs for language translation and speech recognition systems.
- Developed an avatar generator, converting pictures into avatars with MP4 output.

Research Projects

MuteSign: Deep Learning-driven Sign Language Recognition for Inclusive communication
(IEEE Conference Presentation)

- Presented a research paper on deep learning-based sign language recognition, highlighting its potential in enhancing communication for individuals with physical impairments.
- Applied advanced techniques, including Convolutional Neural Networks (CNNs), Recurrent Neural Networks (RNNs), and Long Short-Term Memory (LSTM) networks, for accurate sign language interpretation.
- Developed and trained models using the INCLUDE dataset, consisting of 3500 videos, demonstrating proficiency in managing and processing large-scale datasets for model optimization.

AI - Driven Urban Traffic Optimization to Assess Complex Traffic Patterns for Public Traffic Control and Mobility *(IJRASET)*

- Published the research paper in the International Journal of Research in Applied Science and Engineering Technology (IJRASET), demonstrating the fusion of AI and IoT to revolutionize urban transportation networks.
- Developed AI algorithms for traffic flow optimization, congestion prediction, and adaptive signal management, reducing congestion rates by [percentage/statistic].
- Implemented systems for rapid accident detection and response, improving overall urban mobility and road safety

Phishing or Not Phishing: A Survey on the Detection of Phishing Websites *(IJMR)*

- Contributed to a survey and analysis of evolving phishing tactics, assessing state-of-the-art detection methodologies.
- Reviewed list-based, similarity-based, and machine learning approaches, demonstrating a deep understanding of detection techniques.
- Analyzed and evaluated datasets for detection methods, contributing to a strong understanding of data-driven evaluations. *Published in IJMR, Indiana Publications.*

Projects

Boeing Software Factory (BSF) | *AWS, Docker, Kubernetes*
- BSF is a SaaS platform that serves as a centralized environment for Boeing's software projects development and deployment.
- Worked with CI/CD, GitLab, Docker, Kubernetes, AWS (EC2, S3, RDS), and Prometheus/Grafana for monitoring.

Chatbot Development | *Vscode , Gitlab, Python*
- Developed and deployed a Python-based chatbot with FastAPI and Angular, integrating Markdown for onboarding and customizing LLM API for improved query resolution.
- Dockerized and deployed via GitLab CI/CD, ensuring functionality through testing, and debugging.

Hospital Management System | *Salesforce, Apex*
- Built a Salesforce system for managing patients, appointments, and records with custom objects and automation.
- Designed secure, user-friendly screens for scheduling and record management.

Aahara 2023 - Food Donation and Waste Management Website | *HTML, CSS, PHP, JavaScript, MYSQL*
- Developed a web application to address food wastage in offices and events, contributing to economic growth.
- Automated food waste management processes for improved efficiency.

Phishing Detection Survey | *Anaconda, Flask, Python, Sklearn*
- Conducted an in-depth study on detecting phishing websites.
- Reviewed various detection approaches including list-based, similarity-based, and machine learning-based methods.
- Emphasized the significance of phishing threats to individuals and brands.

Notes App (Mobile Application) | *XML, Java, Firebase, Cloud Services*
- Developed a mobile Notes app, offering customizable templates and advanced organization features.
- Ensured robust data security, providing users with a centralized hub for managing notes and ideas on Android devices.

Gym Management System | *Python, HTML, PHP, CSS, VS code, MYSQL, Wamp Server*
- Developed a gym management system for trainee sign-ups, exercise schedules, and personal workout tracking.
- Ensured low system requirements for broad usability across various configurations.

Technical Skills

- **Languages:** Python, HTML, CSS, SQL, C, Java, Ada, Apex
- **Developer Tools:** VS Code, Android Studio, Gitlab
- **Technologies/Frameworks:** Microsoft Azure, MySQL, Salesforce, AWS

Awards & Certifications

- **Government of Karnataka Scholarship -**Received in acknowledgment of academic excellence.
- **Vidyasiri Scholarship-**Awarded by the Karnataka Government in recognition of academic merit.
- **National Scholarship-**Awarded under the Central Sector Scheme for College and University Students by the Government of India for outstanding academic achievement.
- **Rajya Vokkaligara Sangha Award:** Top percentage in 10th grade, scholarship recipient.
- **Dakshina Kannada District Award:** Achieved a perfect 100/100 in Kannada subject during 10th grade.
- **Certificates of AWS services**
- **Microsoft Azure Fundamentals AZ-900**
- **The Python Programming A-Z Definitive Diploma**
- **Certificate of Participation in National Level Hackathon FantomCode-23**. Qualified for 2nd Round

Extracurricular Activities

Community Engagement:
- Organized a community cleaning drive promoting Swachh Bharat Abhiyan and environmental sustainability.
- Led a women's health and hygiene campaign, advocating for menstrual cups and sanitary practices in rural areas.
- Promoted government school enrollment through surveys and awareness campaigns in rural communities.

Educational Initiatives:
- Conducted a seminar on HAM Radio Communication, educating students on global communication and technology careers.
- Volunteered at S.M. Public School, conducting computer literacy workshops for students.
- Served as Student Welfare Officer during an educational excursion, ensuring student safety and well-being.

Sports and Organizational Involvement:
- Participated in NSS committee, contributing to lake surroundings cleaning, and promoting environmental stewardship.
- Key member of school and college cricket teams, qualifying for knockout stages through teamwork and skill.