

RAGHAV BUBNA

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[LinkedIn](#) · [GitHub](#)

Technical Skills

Programming	Python, C, C++, Java, JavaScript, SQL	Testing & Automation	Playwright, Test Automation, API Testing
Backend	Django, Flask, REST APIs, MySQL, MongoDB	AI / Data	Pandas, NumPy, SciPy, Scikit-learn, Matplotlib
Tools & Platforms	Git, GitHub, Docker, Linux, WSL, VS Code		

Projects

AeroSense AI – Urban AQI Prediction

[GitHub](#) ↗

Python · Pandas · NumPy · Scikit-learn · GeoPandas · React

- Developed an AI/ML-based air-quality prediction system combining ground-station measurements, satellite-derived features, meteorological parameters and geospatial raster data.
- Built preprocessing and feature-engineering pipelines for integrating environmental and spatial datasets into machine-learning workflows.
- Developed a React-based dashboard with interactive maps, city search and environmental indicators for visualizing AQI predictions.

College Fest Planner – RAG System

[GitHub](#) ↗

Python · RAG · AI/ML

- Built as part of Samsung Innovation Campus training to apply generative AI concepts to a practical college festival planning use case.
- Developed a retrieval-augmented system for retrieving relevant festival information and generating contextual responses.

Django Task Management Application

[GitHub](#) ↗

Python · Django · REST API · MySQL

- Developed as a technical assessment for The Reward Store to demonstrate practical full-stack development skills.
- Built a task management application with a Django backend, REST APIs and frontend integration for creating and managing tasks.
- Implemented deadline tracking, task status functionality and database-backed persistence.

Experience

Samsung Innovation Campus

Aug 2026 – Sep 2026

Trainee

- Advanced my knowledge from programming fundamentals and data structures and algorithms into actual software development through practical technical training.
- Developed practical applications using AI chatbots, API integrations, and web/Portfolio applications.
- Developed applications using Python, Django, APIs, and web technologies.

The Reward Store – A Vaananam Company

Jun 2025 – Sep 2025

Software Engineer Intern

- Experience in various roles in software engineering including SDET, development, data gathering, web scraping, and automation testing.
- Development and testing of web applications and backend operations through Python and Flask/Django and databases.
- Data gathering and scraping automation and also practical experience in software testing, debugging, and validation.

Education

RNS Institute of Technology, Bengaluru

2025 – 2029

B.E. Computer Science and Engineering (AI/ML) – Ongoing

The Oxford Senior Secondary School, Bengaluru

2023 – 2025

Senior Secondary Education

Presidency School Bangalore South (PSBS)

2013 – 2023

Secondary Education – Grade 10