

Kasim Nihal Basheer Raguman

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Profile

Software engineer with two years of experience in backend and full-stack development, specializing in debugging, system reliability, and API integration. Skilled in Python, Java, and SQL, with growing expertise in AI-based automation and testing frameworks. Currently pursuing an M.Sc. in Applied Computer Science at SRH University Stuttgart, exploring generative-AI tools and automation systems for efficient software validation.

Education

SRH University of Applied Sciences, Stuttgart	M.Sc. in Applied Computer Science (Oct 2024 – Present)
National Engineering College, Tamil Nadu, India	Bachelor of Engineering (Jun 2018 – Apr 2022)

Experience

Voya Financial India Services	<p>Software Engineer (Mar 2024 – Oct 2024)</p> <ul style="list-style-type: none">• Promoted directly from Cognizant for exceptional delivery and system ownership.• Optimized APIs, increasing reliability and throughput.• Automated service monitoring using Visual Cron and Dynatrace.• Supported vulnerability and remediation efforts.
Cognizant Technology Solutions	<p>Junior Software Engineer (Jun 2022 – Mar 2024)</p> <ul style="list-style-type: none">• Refactored legacy applications for stability and security.• Resolved SQL-based ServiceNow production issues.• Ensured zero-downtime releases in collaboration with QA teams.
Cognizant Technology Solutions	<p>Program Analyst Trainee Intern (Jan 2022 – May 2022)</p> <ul style="list-style-type: none">• Learned fundamentals of OOP and system design.

Selected Projects

Job Prediction using Machine Learning AI	Developed ML model predicting salary, experience, and location of job postings using regression; improved accuracy through data preprocessing.
SRH AI Assistance Chatbot	Compared Gemini API and ChatGPT-Mini models for academic chatbot; evaluated context retention and response relevance.
Satellite Tracker App	Built API-integrated web app to visualize live satellite data around Germany.

Technical Skills

Programming	Python, Java, JavaScript, SQL, R, C++, SAP,
Automation & Testing	Dynatrace, Visual Cron, API testing, debugging, unit testing
AI/ML Tools	Colab, R Studio, GCP, MATLAB, LLM evaluation
Version Control & Scripting	Git, GitHub, Bash (beginner)
Platforms	Linux, MacOS, Windows

Languages

English	Fluent (C1)
German	Beginner (A1)

Technical Interests

AI-driven software testing · Automation frameworks · Protocol stack tools · Software reliability