

Rohit Binu

FULL STACK DEVELOPER

Veldhoven, Netherlands

☎ +31 6 45 13 87 73 | ✉ mail.rohit.binu@gmail.com | 🏠 seriousprogramer.github.io/ | 💻 github.com/SeriousProgramer | 🔗 linkedin.com/in/rohit-binu

Personal Profile

Motivated and dedicated third-year Computer Science and Engineering student at TU Eindhoven with a strong passion for creating software-driven solutions to real-life problems. Check out my website for a more extensive overview of the projects I have worked on.

Education

TU Eindhoven

Eindhoven, Netherlands

BSc in Computer Science and Engineering

September-2022 - Present

- Current GPA: 7.8
- Scored a 9.5 in the exam for Software Specification, with a 9 in the course overall.
- Scored a 10 in the course DBL App Development for our conferencing app SimpyCon.
- Chosen as teaching assistant for courses DBL Embedded Systems and Programming.

Work Experience

E.S.A.I.V. Serpentine

Eindhoven, Netherlands

DevOps

March 2025 - Present

- Working in Serpentine's EduPilot team to help deploy their education focused large language model, Edupilot on TU/e's High-Performance Cluster.
- Setting up the backend and model developed for EduPilot in a Docker environment.
- Creating and managing CI/CD pipeline using GitLab.

TU Eindhoven

Eindhoven, Netherlands

Full Stack Developer

Aug 2024 - Present

- Developing a website in Laravel, on which students will play a Transport and Logistics Game as a mandatory course component.
- Hosted the website using Nginx via Plesk.
- Conducted requirement engineering in order to create an informal specification of the website.
- Successfully implemented features such as real time communication, user authentication and PDF generation.
- Designing a frontend using Tailwind CSS, vanilla JavaScript and HTML.

Team HART

Eindhoven, Netherlands

Software developer

September 2023 - Jun 2024

- Former member of Student Team HART
- Collaborated with multiple students across various majors to develop the V5 haptic glove.
- Created microcontroller software in C/C++ on which the V5 haptic glove runs.
- Implemented a serial communication strategy that used JSONs

Projects

PARA: A plugin to automate dependency installation of Java code.

Eindhoven, NL

JetBrains

February 2025 - April 2025

- Project where I, alongside a team of Computer Scientists built a plugin in Kotlin for the IntelliJ IDEA team of JetBrains
- Built and structured pipelines for automatically installing dependencies into Gradle, Maven, and IntelliJ build systems.
- Reindexed a subset of the Maven Central Dependency repository to identify dependencies using class names and return types of methods from the library.
- Leveraged AI to identify dependencies that were not in our reindexed subset.

- Project where I alongside a team of Computer Scientists built a cross-platform mobile app that vastly simplifies the process of augmenting BIM models, for the Junction Hackathon 2024 held in Helsinki, Finland.
- The app was built in Expo, a framework of React Native used to build hyper-efficient cross-platform mobile applications. Typescript was the language used underneath React Native.
- The backend was built in Python and used Google Document AI for pattern extraction.
- It allowed users to take photographs of the labels of common household devices and have them automatically added to the BIM model.
- The app was connected to a Python backend that used Google Document AI to extract data from pictures and classify it by the characteristics described on the label.

Skills

Programming Languages	PHP, JavaScript, TypeScript, Python, CSS, HTML, Java, C++, C (POSIX API), Arduino, SQL, Bash, Kotlin
Frameworks and Libraries	Expo, Laravel, Flask, Pygame, PyTorch, MySQL, MariaDB, ORM, Firebase, NoSQL, Langchain, React
Miscellaneous	Linux(Debian and RHEL derivatives), \LaTeX (Overleaf), Microsoft Office, Scrum, MATLAB, MIT AI, Git(GitHub, Git CLI), Design Patterns, Docker, vim
Languages	English (C2), Dutch(A2), Hindi (B1)
Soft skills	Problem-solving, critical thinking, teamwork, communication, adaptability, time management, attention to detail, analytical thinking, self-learning, collaboration, project management, resilience, patience, multitasking

Interests

Cooking	I love cooking. I bake my own bread for special occasions, and love cooking meals from varied cuisines.
Reading	I have always been an avid reader and am always up for a book recommendation, or a chat about one of the multiple book series I have read.
Wildlife documentation	I love to observe and document all kinds of wildlife from birds to arthropods and lizards.
Learning Dutch	Ik heb been vier honderd dag streak op Duolingo en ik kijk elke dag naar Arjen Lubach want ik wil goed Nederlands leren.