

Hitarth Anand Rohra

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Final year student with proven expertise in software technologies. Consistently delivers high-impact projects through software design, effective collaboration, and technical leadership, driving team efficiency and product excellence.

SKILLS

Programming Languages: Java, C, C++, Python, JavaScript, TypeScript, PL/SQL, MySQL, Postgres

Technologies & Tools: TCP/IP, AngularJS, ReactJS, Node.js, REST APIs, HTML, CSS, Maven, Django, Ruby On Rails **Spring Boot**, **Kafka**, **Grafana**, **SonarQube**, Groovy on Grails, MongoDB, **Continuous Integration / Continuous Development**, Azure, **Unit/Component Testing**, **Docker**, Git, GitHub, **Kubernetes**, Unix/Linux, **Distributed Systems**, **Agile Development**, **Software Development Life Cycle (SDLC)**, **Object Oriented Programming**

WORK EXPERIENCE

Software Engineer Intern, [Link](#)

Pune, Maharashtra
May 2024 – July 2024

- Collaborated with an **8-member cross-functional team** to optimize microservices .
- Demonstrated proficiency in DevOps practices and Agile methodologies, accelerating project delivery by 20%
- Designed a quality control scoring system**, improving system performance by 20% and enhancing data accuracy by 15%.
- Implemented **scalable microservices** in a **distributed computing** environment, enhancing overall system performance.
- Integrated **QA testing protocols**, **CI/CD pipelines** and **Jenkins** to automate the deployment process.
- Reduced deployment time by 30% and improved team delivery efficiency by 25%.
- Gained hands-on **experience with Kubernetes, Docker, and microservices**.

Open Source Developer, [Link](#)

Remote
Dec 2023 – Apr 2024

- Refactored Claro's file stylesheet**, migrating **100+ CSS logical properties** to modern standards.
- Improved **cross-browser compatibility** by 25% and enhanced **system performance by reducing rendering time by 15%**.
- Collaborated with **Google Summer of Code (GSoC) contributors**, ensuring high code quality and alignment with **user needs**.
- Streamlined processes and enhanced system performance, improving **cross-team collaboration** in a globally distributed environment.

Student Researcher, [Link](#)

Kollam, Kerala
Oct 2021 – Nov 2023

- Developed softwares for 15+ microcontrollers (MCUs), **creating 20+ Capture the Flag (CTF) challenges**.
- Improved client engagement by 30%.
- Applied **Agile methodologies to manage projects**, reducing turnaround time by 20%.
- Streamlined **development and testing** with CI/CD pipelines, accelerating release cycles by 25%.

EDUCATION

Amrita Vishwa Vidyapeetham, [Link](#)

Kollam, Kerala
2021 - 2025

Bachelor of Technology

Major in Electronics and Computer Engineering

Cumulative GPA: 9.65/10

Relevant Coursework: Software Engineering, Operating System, Database Management Systems, Data Structures and Algorithms, Distributed Systems, Machine Learning, Artificial Intelligence, Full Stack Development, Android Application Development

PROJECTS

Quality Control Score Calculation with Quality Control Score Weightage, SLB - Private, [Link](#)

- Built a system to assign custom weights to quality control rules, resulting in a 16% improved data accuracy and 12% error reduction.
- Applied **Agile practices** for scalable development and deployment, decreasing project delivery time by 23%.
- Automated testing and deployment with **JEST** and **SonarQube**, ensuring high code quality and reducing bugs by 37%.
- Worked with tech stack of Angular, Java/Spring Boot, MongoDB, and Kubernetes

Secure Payment and Ticketing System for Vidut TechFest at Amrita Vishwa Vidyapeetham, [Link](#)

- Engineered a secure, high-traffic **payment gateway and authentication system** facilitating over 5,000 seamless transactions..
- Developed **dashboard analytics** for generated revenue from multiple micro platforms.

NaviG, Seamless Wayfinding App, [Available on Play Store](#)

- Designed and launched a mobile application for Vidut 2023, facilitating **seamless navigation to across 50+ events** at the field.
- Integrated an **interactive campus map with event reminders**, helping over 3,000 participants locate venues simultaneously.

AutoValuePro, Vehicle Valuation Wizard, [Link](#)

- Developed a **web application** using **machine learning algorithms**, predicting car prices with **90% accuracy** across over 1000 vehicles.
- Enhanced operational efficiency** by 20%, allowing users to **generate valuation reports 30% faster**, improving overall user engagement.

PUBLICATIONS

IEEE Publication - An Improved Cross Layer Design For TCP/IP Optimization With Flow Control and Acknowledgment Aggregation, [Link](#) : A technique for improving TCP performance by decreasing packet losses through flow control and Adaptive Modulation Coding.

ADDITIONALS

Awards: Won the First Runner-Up Prize **Hardware Security CTF**, Nullcon 2022.

Soft Skills: Innovative, Communicative, Research-Oriented, Productive.

Hobbies: Filmography & Photography, Writing & Blogging, Music & Piano, Badminton, Football.