

# SHOAIB YUSUF HUBAB

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**Portfolio:** <https://shoaibyusufh.github.io/>

**Address:** Geschwister scholl straÙe 3 , 91058, Erlangen, Bavaria, Germany



## PROFESSIONAL SUMMARY

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Master's student in Electromobility at FAU Erlangen with hands-on experience in software quality assurance, automated testing, CI/CD pipelines and engineering tools. Strong background in Java-based development, test automation (Pytest, Cypress), plugin-style integrations, REST APIs and technical documentation. Experienced in ensuring software quality, implementing test cases, supporting CI pipelines and maintaining documentation in agile environments. Highly motivated to contribute to reliable, high-quality engineering tools while growing long-term in industrial software environments.

## WORK EXPERIENCE

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### **Software Engineer** Blueocean Digital India Private Limited – Coimbatore, India

[ 03/07/2023 – 12/09/2025 ]

- **Quality Assurance:** Supported QA for internal engineering tools, ensuring stable releases across teams.
- **Test Automation:** Implemented automated backend and UI tests using **Pytest** and **Cypress**, reducing manual testing.
- **Testing & Debugging:** Performed regression and integration testing; analyzed **logs** and **REST API responses** to verify fixes.
- **CI/CD:** Integrated automated tests into **CI/CD pipelines** using **Git** and **Docker**.
- **Documentation:** Created and maintained **technical documentation**, **API references** and **requirements** (Docs-as-Code).

### **Software Engineer Internship** Blueocean Digital India Private Limited – Coimbatore, India

[ 15/12/2022 – 14/06/2023 ]

- Assisted in **testing, validation and verification** of backend services.
- Supported **bug fixing, small feature implementation and issue verification**.
- Maintained **technical documentation and API specifications** for knowledge sharing.

## EDUCATION AND TRAINING

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### **MSc Electromobility-ACES** – Erlangen, Germany

[ 01/10/2025 – Current ]

**Friedrich-Alexander University of Erlangen-Nuremberg**

**Major:** AI & Autonomous Driving, Sustainable Mobility & Production Technology

### **Bachelor of Electrical and Electronic Engineering**– Coimbatore, India

[ 31/07/2019 – 17/05/2023 ]

**Sri Ramakrishna Engineering College - Anna University**

Final grade: 8.22/10

SKILLS

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- Programming :** Java, Python, Go, JavaScript, OOP
- Quality Assurance & Testing:** Automated Testing, Unit Testing (JUnit), Integration & Regression Testing, Pytest, Cypress, Playwright
- DevOps & CI/CD:** CI/CD Pipelines, Docker, Kubernetes (microK8s), Git, GitHub/GitLab, Argo CD
- Engineering Tools:** Eclipse IDE, VS Code, Docs-as-Code, Technical Documentation, Swagger
- Backend & Software Development:** REST API, JSON / XML, Microservices, Plugin-style integrations
- Collaboration & Tools:** MS Word, Excel, PowerPoint, Agile/Scrum

TECHNICAL PROJECTS

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- RAG Chatbot Backend – Python, Django, PostgreSQL, Pinecone, Google Gemini**
- Built and containerized a Django-based RAG backend using **Docker** and PostgreSQL.
- SIP Proxy Server - Python, SIP, UDP/TCP, Pytest**
- Implemented SIP server/proxy/client with **Pytest** automation and **CI** integration.
- Personal Portfolio Website - HTML, CSS, JavaScript**
- Responsive frontend showcasing projects with focus on performance and maintainability.

CERTIFICATIONS

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- **Java, Python, SQL, Data Cleaning & Visualization** – Kaggle
- **Docker & Kubernetes** – Udemy
- **Cypress Automation Testing** - Udemy
- **Golang Programming** – Udemy

LANGUAGE SKILLS

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**Language(s):** English (**Proficient**) | German (**Basic – actively learning**)

**Mother tongue(s):** Tamil

HONOURS AND AWARDS

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- Department Representative, Sri Ramakrishna Engineering College (2023)
- Alumni Interaction Program Speaker (2024)

HOBBIES AND INTERESTS

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Software quality assurance, cloud-native infrastructure, electric mobility systems, software testing and CI/CD automation, badminton.

