

SOHAM KUMTHEKAR

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Kammerstraße 206-208, Duisburg, 47057, Nordrhein-Westfalen
Nationality : Indian · Date of Birth : 01.02.2005

PROFESSIONAL EXPERIENCE

Uniper SE

June 2025- Present

Working Student in Solution and Security Architecture

- Engineering a telephone name resolution pipeline using Python and OpenLDAP, containerized the environment with Docker and architected network routing to sync data with Fanvil hardware
- Built a voice recording archival app utilizing Azure Function Apps for API data retrieval, optimized database schemas for efficiency, and enhanced the UI/UX using Vue.js and Nuxt UI
- Provisioned Azure cloud infrastructure using Terraform modules and implemented a DevOps pipeline to automate resource procurement and deployment
- Collaborated with stakeholders to define technical requirements and drafted Architecture Outline Documents for multiple core business applications
- Developed a Power BI dashboard for IT application assessment logs, providing stakeholders with insights through visualizations and advanced filtering

AStA Duisburg-Essen

November 2024- Present

International Referent

- Planned and organized cultural, social, and informational events to support international students in integrating into German society and university life
- Responded to inquiries from international students regarding housing, finances, and bureaucratic procedures via email and in-person support

University of Duisburg-Essen

November 2024 - Present

Technical Team Member (Student Council ISE)

- Collaborated with the technical team of the ISE Student Council to plan and organize engineering-focused events and workshops
- Co-organized hands-on workshops, including a Robotic Arm Workshop and a 3D Design Workshop, to enhance practical skills among students

Faculty of Engineering - University of Duisburg-Essen

June 2024 - May 2025

Student Assistant

- Developed and maintained a web interface for the university research database
- Integrated backend database functionality with front-end user interfaces using PHP and MySQL
- Created and managed content for the university website using the CMS Imperia
- Designed and implemented dynamic web pages to improve user experience

FH Aachen University of Applied Sciences

October 2022 - November 2022

Intern

- Created a website-building project using PHP, HTML, CSS, MySQL and Python
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EDUCATION

University of Duisburg-Essen

October 2023 - Present

B.Sc. Computer Engineering
GPA (In German Grading) : 1.3

Freshman Institute (Studienkolleg)

October 2022 - June 2023

GPA (In German Grading) : 1.4

The Emirates National School, Sharjah

April 2021 - June 2022

CBSE Grade 12
Final grade (in %) : 96.6 %

TECHNOLOGIES AND SOFT SKILLS

- **Frontend:** Typescript, Javascript, Vue.js, Tailwind CSS
- **Backend:** Python, MySQL, PostgreSQL, Terraform, PHP, Linux, Docker
- **Other:** Microsoft Azure, Power BI, Microsoft Excel, Power Automate
- **Soft Skills:** Communication, Leadership, Public Speaking, Team Management

PROJECTS

- **Raytracer:** Created a raytracer project using C++ and Object-Oriented Programming.
- **Extracting and Visualizing Stock Data:** Used webscraping and the yfinance library to extract stock data on some of the world's leading technological companies and used the data to plot graphs of their stock growth and performance.
- **Neural Network:** Developed a convolutional neural network (CNN) on Matlab, trained it using data from the MNIST database and optimized it to achieve 95.3% accuracy

LANGUAGE PROFICIENCY

ENGLISH

C2

GERMAN

C1

HINDI

C1

HONORS AND AWARDS

Golden Visa

Awarded by the government of the United Arab Emirates (UAE) for exemplary high school results.

Scholarship (Freshman Institute)

Scholarship awarded by Freshman Institute.

Deutschlandstipendium

Scholarship awarded by the University of Duisburg-Essen.

Merit Certificate

Certificate received from the Central Board of Secondary Education (CBSE) for achieving 100% in Computer Science.

General Knowledge Olympiad

Certificate received for attaining International Rank 798 and Zonal Rank 14 in the International General Knowledge Olympiad.

References are available on request.