

# Mubashir Hanif

Senior Software Engineer

Karachi, Pakistan

+92 313 3100740

[mubashirhanif93@gmail.com](mailto:mubashirhanif93@gmail.com)

## EXPERIENCE

### Noyes Technologies GmbH

Senior Software Engineer

Munich, DE | April 2021 - present

- Leading a technical team.
- Robot scheduling and communication.
- Planning on Graphs.
- Architecture design for the whole internal robotics system.
- ROS, C++, python, docker and JavaScript.

### Cognition Factory GmbH

Full Stack Developer (part-time)

Munich, DE | August 2020 - February 2021

- Full stack web development.
- Deep image recognition.
- Vue.js, react.js, Django, PyTorch.

### BMW AG

Computer Vision Research Engineer (Thesis+Internship)

Munich, DE | September 2019 - June 2020

- Real time collision detection and recognition.
- Multi camera setup.
- ROS, c++, python, PyTorch.

### Fördertechnik Materialfluss Logistik (TUM-MW)

Student researcher

Munich, DE | February 2019 - March 2021

- Deep learning in image segmentation, region proposal and detection.
- Python, JavaScript, PyTorch and Flask.

### Mensch-Maschine-Kommunikation (TUM-EI)

Student researcher(IDP)

Munich, DE | September 2018 - May 2019

- Future video frame prediction using CNNs, GANs and LSTMs.
- Python, TensorFlow, PyTorch.

### Metoda GmbH

Software Engineer (part-time)

Munich, DE | November 2017 - December 2018

- Full stack developer and DevOps.
- Ruby on Rails, Vue.js, Docker, Rancher and git.

### BonaVal

Software Engineer (part-time)

Munich, DE | April 2017 - July 2017

- Full Stack developer and DevOps.
- Express, Angular, Ansible and chef.



## SKILLS

### Programming:

C++, python, JavaScript, ruby and Matlab.

### Tools:

ROS, OpenCV, PyTorch, TensorFlow, AngularJS, Android SDK, docker, MongoDB, PostgreSQL, MySQL.

### Technical skills:

Machine learning, Artificial intelligence, deep learning, image processing, computer vision, robotics, web and mobile development, problem-solving, OOP, algorithms, data structures, design patterns, RESTful Architecture, API design.

### Preferred OS:

Linux(Debian based, daily)  
Windows(for gaming, and light dev work)

### Languages:

English: Fluent  
German: Intermediate

## Volunteer work

### Open source:

Active contributor to **StackOverflow** and **GitHub**.

## Folio3

Software Engineer

Karachi, PK | June 2015 - August 2016

- Web and mobile developer.
- Ruby on Rails, JavaScript and Android SDK.

## EDUCATION AND CERTIFICATIONS

### Technical University of Munich

M.Sc. Informatics

Major: Computer Vision

Munich, DE | April 2017 - October 2021

### RWTH Aachen university

M.Sc. Media Informatics (dropped out)

Aachen, DE | October 2016 - March 2021

### National University of Computer and Emerging Sciences-FAST

B.Sc. Computer Science

Karachi, PK | August 2011 - May 2015

- Prime Minister's ICT scholar to fund my entire study and living expenses(Rs. 1.6 Million). Among the top 120 selected from a pool of 20000.
- Graduated among top 10%.

### ETS-GRE

Quantitative: 85th percentile

### British Council-IELTS

Band: 7.0