

PERSONAL INFORMATION



Priyanka Subramanya Vokuda (M.Sc. Informatik)

📍 Bernar-Venet-Strasse 8, 89231 Neu-Ulm (Germany)

☎ (+49)1799908713

✉ priyankavokuda@gmail.com

🌐 <https://priyankavokuda.github.io>

Date of birth 30 Sep 1990 | Nationality Indian | Marital Status Married | EU work permit Yes

JOB APPLIED FOR

Software Developer

WORK EXPERIENCE

Sep 2017–Mar 2018

Master Thesis Student

Carl Zeiss Microscopy, Oberkochen (Germany)

- Formulated an application based on interactive object detection.
- Developed back-end using machine learning in Python and Random forests.
- Developed interactive annotation front-end using Flask and Python.
- Tested and maintained developed software.
- Accomplishment: Successfully developed a standalone machine learning application tailored to customer needs.

May 2016–Nov 2016

Research Assistant

Institute of Visual Computing, Bonn-Rhein-Sieg University of Applied Sciences, Bonn (Germany)

- Researched methods to pre-process and classify time series data.
- Developed MATLAB based front-end for hand pose annotation.
- Developed Python based back-end for time series classification.
- Accomplishment: Improved baseline performance by 5%.

Jul 2012–Nov 2014

Software Developer

Sapient Corporation, Bangalore (India)

- Responsible for development and quality assurance of Java and Business Intelligence applications.
- Worked in an agile environment and large teams with frequent client interaction.
- Designed a Java prototype for sentiment analysis using social media data.
- Trained in Spring, Hibernate, REST API.

EDUCATION AND TRAINING

Apr 2015–Apr 2018

Master of Autonomous Systems (Grade 1.66)

Bonn-Rhein-Sieg University of Applied Sciences, Bonn (Germany)

- Focus on software development in Python, MATLAB and Java, machine learning, computer vision, statistics and applied mathematics.
 - Mini project "Object detection using RGB-D data" using deep learning.
 - Master thesis "Interactive object detection" using machine learning and Python programming.
- Grade: 1.1

Sep 2008–May 2012

Bachelor of Engineering (Grade: 1.78)

PES Institute of Technology, Bengaluru (India)

- Focus on computer science, Java, C++, web programming, computer architecture, operating systems and software engineering.
- Bachelor thesis: "Video Search Engine" using MATLAB at Tata Elxsi, Bengaluru. Grade: 1.0

PERSONAL SKILLS

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C1	C1	C1
German	A2	B1	A2	A2	B1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills

- **Teamwork:** worked in very large teams spread across different cities/countries.
- **Intercultural skills:** working experience in Germany and with international clients.

Job-related skills

- **Programming languages:** Python, Java, MATLAB, JavaScript, HTML, C++, UML, SQL, QlikView, R.
- **Tools:** Git, MS Office, SVN, JIRA, Eclipse, Jupyter NB, Spyder, LaTeX.
- **Programming paradigm:** Object-Oriented Programming, Test Driven Development, Design patterns.
- **Libraries:** NumPy, Matplotlib, scikit-learn, TensorFlow, pandas, Keras, Caffe, Flask, OpenCV.

Other skills

Sketching, painting and teaching art.

ADDITIONAL INFORMATION

Publications

- Mamatha, H. R., Murthy, K. S., Veeksha, A. V., **Vokuda, P. S.**, Lakshmi, M. (2011, October). Recognition of Handwritten Kannada Numerals Using Directional Features and K-Means. In Computational Intelligence and Communication Networks (CICN), 2011 International Conference on (pp. 644-647). IEEE.
- Mamatha, H. R., Srikanta Murthy, K., Veeksha, A. V., **Priyanka, S. V.**, Lakshmi, M. (2012). Recognition of Hand written Kannada numerals using K-Medoids. In Advanced Materials Research (Vol. 433, pp. 5354-5358). Trans Tech Publications.
- **Vokuda, P. S.** (2018). Interactive Object Detection. Term paper at HBRS to be published soon.