SOURABH LAL

🌐 sourabhs.space ✉ sourabh@sourabhs.space ⬛ sourabhlal in sourabhlal Ⓓ sourabhlal
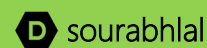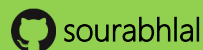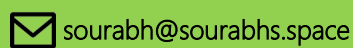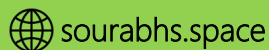
Education

EPFL, Switzerland   08/2015 - present

M.Sc. in Computer Science with a specialization in Information Systems. Graduating in February 2019.

Master's Thesis: "Identifying Meeting Action Items through Sub-dialogue Detection". Grade 5.5/6

Courses include: Intelligent Agents, NLP, Machine Learning, Applied Data Analysis, HCI.

Carnegie Mellon University, USA   08/2014 - 12/2014

Study abroad. GPA: 3.73/4.00.

Courses include: Applied Computational Intelligence Lab, Creating Intelligent Robots, Mobile Robot Programming Lab.

Jacobs University Bremen, Germany   08/2012 - 06/2015

B.Sc. in Computer Science. Class of 2015. GPA: 1.85 (1.00 is best, 5.00 is worst).

Experience

Logitech, Lausanne, Switzerland   02/2018 - 08/2018

- **Engineering Intern** in the CTO team.
- Individual research project titled 'NLP for the creation of meeting artefacts'.

CERN, Geneva, Switzerland   08/2016 - 01/2017

- **Intern** in the CERN Document Server team.
- Developed features for the new video player module Using Flask, Jinja2, Angular and PostgreSQL.
- Open source project.

Cleversoft GmbH, Munich, Germany   06/2014 - 07/2014

- **Intern** in the Java Engineering team.
- Worked on the development of the Infonds financial services web application.

Fraunhofer ITWM, Kaiserslautern, Germany   06/2013 - 08/2013

- **Intern** in the Optimization department.
- Individually developed & tested a library that pre-computes the non-convex solution space of pareto optimal solutions.

Awards

NYUAD Hackathon for Social Good 2018 - 2nd prize

FoodHack 2017 – 1st Prize in the Food Save challenge

MLH Prime EU, London 2017 – JP Morgan Prize for Best Hack for Social Good

KairosHacks Barcelona 2015 – SkyScanner API prize.

jacobsHack! Winter 2014 - 3rd prize + USG sponsor prize.

Jacobs University - Merit based 30,000 Euro Scholarship

Leadership & Extracurriculars

GitHub Campus Expert,   06/2017 - present

Supporting the student community by providing workshops, talks, encouraging out-of-class projects and helping at events such as hackathons and tech conferences.

LauzHack Founder and Main Organizer   03/2016 - present

Founded EPFL's first global hackathon series. Main organizer of the 2016 event which had over 180 participants. Part of the organizing team in 2017, responsible for fundraising and participant experience. Vice-President of the Association in 2018.

University Student Government (USG)   10/2013 - 06/2015

Member of the Housing and Facilities Committee. From January 2015 onwards, chair of the committee.

Projects

Amazin' Amazon Trends   10/2017 - 01/2018

- Exploration of trends in Amazon product reviews across 20 years of data using Python, Pandas, and Numpy.

Flight Delay Visualizer   09/2017 - 12/2017

- Series of visualizations of flight delays in the US built using javascript and D3.js

abcPay   04/2017

- Cross-platform app developed at a hackathon in a team of 4 that enables parents to administer a child's daily allowance.
- Built using ionic, angular, typescript and node.js

DoctorBot   09/2016 - 10/2016

- Chatbot developed at a hackathon in a team of 3 that converses with a patient to give a medical diagnosis.
- Built using Flask, Heroku, and Messenger, Twilio and Infermedica APIs.

Distant Reading 100 years of Archivio Veneto   02/2016 - 05/2016

- Used Topic Modelling to distant run the entire run of a scholar journal. Developed using Gensim and NLTK libraries.

Data Collection with CoBot   09/2014 - 12/2014

- Iteratively developed an intelligent path planning algorithm
- Enabled CoBot robots to opportunistically collect temperature and humidity data from less recently explored locations by maintaining historical maps of exploration.

Skills

Development: Python, Django, Flask, Java, Android, HTML5, CSS3, JavaScript, C++, C

Other: Git, GitHub, LaTeX, CLI, Unix, Windows, Agile software development

Languages: English (fluent), French (intermediate), Hindi (basic)