Bhagyashree Padalkar

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EDUCATION

TECHNICAL UNIVERSITY MUNICH
M.Sc Data Engineering and Analytics
2017 - 2019 (expected)
Siemens Mentorship program Scholar
(Top 16 students from TUM)

NNMCB SUMMER SCHOOL
IISc Banagalore. India
May 2016
Full scholarship for tution, travel and accomodation

IIT GUWAHATI
BTech in Maths and Computing
2012 - 2016
National Talent Search scholar
(top 0.25% nationwide)

OTHER HONORS
Linux Foudation Diversity Scholarship
Selected for Indian National Maths Olympiad leading to IMO 2011

CONFERENCE TALKS
2018	PyCon US
2018	FLOCK (Fedora)
2018	OSCAL, Albania
2017	FOSDEM, Belgium
2016	LinuxCon EU
2016	PyCon CZ
2016	SFK, Europe
2016	FLOCK (Fedora)

SKILLS

PROGRAMMING
• Python • MATLAB • R
• C++ • SQL

TECHNOLOGY
• Docker • Git • Linux
• AWS • Jupyter

LANGUAGES
• English • Hindi • Marathi
• German (A1)

EXPERIENCE

SIEMENS | Deep Learning Quantitative Researcher
March 2018 – Present | Munich, Germany
- Working on Machine Learning and Deep Learning based NLP algorithms for Machine Translation, Sentiment Analysis and Document Similarity in English and German language data.
- Used Deep Learning (Recurrent Neural Networks) to identify the top-scored answer for Stack Overflow questions.
- Used technologies like Docker, AWS and deep learning libraries like Keras, PyTorch during development.

FEDORA | Community Operations + Diversity Team Core Member
Oct 2015 – Present | Brno, Czech Republic and Remote
- Founding member of Fedora Diversity and Inclusion Team; leading efforts on community metrics and event inclusion guidelines for Fedora.
- Proposed and developed data analytics tools in Python to understand community activity, engagement, and community health
- Tools used by the Fedora leadership and community to generate insights and develop new community focused strategies.
- Google Summer of Code Mentor for three consecutive years since 2016 on community data analytics and web development focused projects.

GOOGLE SUMMER OF CODE MENTOR | Fedora Project
2016, 2017 and 2018 | Remote
- Responsible for selection, onboarding, mentoring and evaluations of Google Summer of Code student for duration of the internship.
- Conducted code reviews and provided feedback to the student.
- Communicated internship progress with project leadership and community.

MOZILLA | Research and Development Intern
Dec 2016 – March 2017 | Berlin, Germany and Remote
- Conducted qualitative research, interviews and data analytics to assist in building the diversity and inclusion strategy for Mozilla's volunteer community.
- Proposed and led quantitative analysis using Data Analytics, Machine Learning (Clustering algorithms) and NLP(Sentiment Analysis and Topic Modelling) to augment existing qualitative community research.
- Learned Elastic Search for data extraction and SQL during the internship.
- Invited to participate in international work events based on excellent performance.

RESEARCH

MAX PLANCK INSTITUTE | Berlin, Germany
June 2016 – Dec 2016 | Dr. Ozgur Simsek
Worked on modelling decision making in online social environments using simple heuristics, bounded rationality and machine learning techniques.

AAKASH LAB | IIT Guwahati, India
August 2015 – April 2016 | Prof. Ranbir Singh
Worked on identifying similarity and preference evolution patterns in terrorist organizations using machine learning, network analysis and statistical techniques to aid in terrorist attack prediction research.

RUTGERS UNIVERSITY | New Jersey, USA
May 2015 – July 2015 | Dongho Choi and Prof. Chirag Shah
Worked on topic-based information summarization in Twitter using unsupervised Machine Learning and Natural Language Processing techniques.