

Sudipto Ghosh

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KEY SKILLS	Web Development, API Development, Data Mining, Data Analysis, Machine Learning, Project Management, Software Engineering, System Administration, Research Work.	
EDUCATION	University of Delhi , India B.Sc. (Hons.) Computer Science, 2022 — CGPA: 9.932	
PROFESSIONAL EXPERIENCE	Jhatkaa.org <i>Junior Software Developer</i>	August 2022 — Present
	iHub Anubhuti - IIITD Foundation, IIIT Delhi <i>Project Intern</i>	October 2021 — February 2022
	Responsible for developing an end-to-end application for Knowledge-based Question Answering in the legal domain under the guidance of Dr. Sarika Jain, Assistant Professor, Department of Computer Applications, National Institute of Technology Kurukshetra and Dr. Nandana Mihindukulasooriya, IBM Research, Dublin, Ireland.	
	Major League Hacking <i>Open Source Fellow</i>	Jun 2021 — Aug 2021
	Worked on a JavaScript project under Jordan Harband (Member TC39, ECMA) for an npm package <i>can-merge</i> that polls the GitHub GraphQL API and allows custom scripts to run once all status checks and CI runs have completed. Participated in daily standups, pair programming, internal hackathons, CTF and code review sessions.	
	StreetHack , Jaymant and Sons OPC Pvt. Ltd., Noida, India <i>SDE Intern</i>	Jul 2019 — Sep 2019
	Worked on a minimum viable product on the MERN stack. Developed RESTful APIs and a basic front-end. Employed OAuth2.0 and JWT authentication and dynamic resume generation.	
MAJOR PROJECTS	<ul style="list-style-type: none">• AQI Monitor — Winning Submission at the OutSystems, Vonage, LINKIT 2020 Developer Challenge Hackathon. Portal for monitoring air quality information and notification service on a range of communication channels including WhatsApp, Viber, Facebook Messenger and SMS.• stay.io (Jun 2020) — This is a simple, scalable and containerized rating application for accommodation listings with role-based access control. The application is available to be deployed in a multi-container deployment.• Quadratic Equation Solver (May 2019) — A well-documented NPM package brings that the ability of finding roots of a quadratic equation of one or more equations by simply requiring it and using an appropriate method. It has also been packaged for use as a browser import.• SQL2GeoJSON (May 2018 — Dec 2018) — This was a RESTful API service written in JavaScript that parses geometric data as stored in spatial databases (MySQL and PostgreSQL) and converts into GeoJSON for use with open-source mapping libraries like Leaflet.	
SOFTWARE SKILLS	<ul style="list-style-type: none">• Languages: C, C++, Python, Java, C#, JavaScript, TypeScript, Ruby, SQL, HTML, CSS, PHP.• Web Frameworks and Libraries: Django, Flask, Ruby on Rails, React, Vue.js, Express.js, Node.js, Spring Boot, ASP.NET Core, ASP.NET MVC.• Databases: PostgreSQL, MariaDB/MySQL, TSQL, PL/SQL, IBM DB2, MongoDB, Cloud Firestore, Cassandra, Memcached, Elasticsearch, Redis, SQLite.• Machine Learning Frameworks: Tensorflow, Keras, PyTorch, IBM Watson.• DevOps: CI/CD, Jenkins, Docker, Kubernetes.• CloudOps: AWS, GCP, Azure, Oracle Cloud, IBM Cloud.• Operating Systems: GNU/Linux, Windows.• Architectures: Serverless, Microservices, Monolithic.	

CERTIFICATIONS	IBM Skills Network	
	<i>Data Science Professional</i> — RKZ2TKU5UWQ9	Sep 2020
	deeplearning.ai	
	<i>TensorFlow Developer</i> — BLQTNZ24G79P	Sep 2020
	Google	
	<i>IT Automation Professional</i> — ZT5QP5BKTX5J	Sep 2020
	<i>IT Support Professional</i> — D6X6Z6XB3JHW	Sep 2020
	The SAS Institute	
	<i>SAS Programmer</i> — D6X6Z6XB3JHW	Sep 2020
	Stanford Online	
	<i>Machine Learning</i> — FNN86CYF6VQ	Jul 2020
	National Academy of Sciences, India	
<i>Advances in Signal Processing and Machine Learning</i> — Verify	Aug 2019	
The Open University		
<i>Introduction to Computational Thinking</i> — Verify	Aug 2019	
TestDome		
<i>JavaScript</i> — Verify	Dec 2018	
<i>HTML/CSS and Bootstrap</i> — Verify	Nov 2018	
ACHIEVEMENTS	Grand Prize Winner (2020) — OutSystems, Vonage, LINKIT Developer Challenge Hackathon	
	INSPIRE Award MANAK (2015) — Deptt. of Science and Technology, Government of India	
VOLUNTEERING EXPERIENCE	Microsoft Learn	
	<i>Beta Student Ambassador</i>	Jul 2021 — Jun 2022
	Learn Student Ambassadors are a global group of campus leaders who are eager to help fellow students, create robust tech communities, and develop technical and career skills for the future.	
	Vonage , Nexmo Inc., New Jersey	
	<i>Community Ambassador (“Voyager”)</i>	Nov 2020 — Aug 2021
	Evaluated client and server SDKs for communication APIs. Created technical content for the open-source developer education platform. Part of Vonage Developer Spotlight Program. Conducted live sessions and organised technical workshops in the APAC region.	
Enactus ARSD , Atma Ram Sanatan Dharma College, New Delhi		
<i>President</i>	Jul 2021 — May 2022	
Led a team of 90+ members, advocated for social entrepreneurship and helped refugees and marginalised communities scale up their businesses.		
<i>Deputy Research Head</i>	Jul 2020 — Jul 2021	
Carrying out research for upcoming projects. Working on the official website of Enactus ARSD. Produced and edited video for the Enactus India National Convention and Competition 2020 which was among the Top 6 Most Viewed and Voted Team Entries.		
<i>Member</i>	Aug 2019 — Jul 2020	
Carried out research work for ongoing projects, analysed survey responses in order to understand consumer behaviour and understand the market. Conducted multiple field visits to Ekjut Jamghat NGO, Darya Ganj under Project Kalakaari. Designed social media posts, posters and certificates for inter-collegiate competitions. Organised and handled logistics for Ennovate’20 — the maiden Enactus Day event.		

Finance and Investment Cell, Atma Ram Sanatan Dharma College, New Delhi

Member

Aug 2019 — Jul 2020

Carried out research work on US-China trade relations and its possible repercussions on the Indian market. Attended sessions on data analysis, market research, understanding and investing in the stock market, analysing financial records. Designed social media posts for Monétaire 2020 — the maiden Business Conclave.

Interact Club, Balvantray Mehta Vidya Bhawan (A. S. M. A.), New Delhi

President

Sep 2015 — Feb 2016

Identified child labourers in the neighbouring communities and one such individual was granted educational and financial help from the school authorities. This was undertaken as a social project of the Interact Club.

PUBLICATIONS

S. Jain, P. Harde, N. Mihindukulasoorya, S. Ghosh, et al. (May 2022). *Constructing a Knowledge Graph from Indian Legal Domain Corpus*. Presented at the First International Workshop on Knowledge Graph Generation From Text (TEXT2KG 2022) co-located with the 19th Extended Semantic Web Conference (ESWC 2022), Hersonissos, Greece, in CEUR Workshop Proceedings, Vol. 3184, Aug. 2022, pp. 80-93. [Online]. Available: [CEUR-WS.org/Vol-3184/TEXT2KG_Paper_6.pdf](https://ceur-ws.org/Vol-3184/TEXT2KG_Paper_6.pdf).

REFERENCES

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