

SOMDIP DEY

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Google Scholar Profile & Citations: <http://scholar.google.co.uk/citations?user=KaCa2MgAAAAJ>
Personal Website: <http://linktr.ee/somdipdey>

TEDx speaker, scientist and engineer turned entrepreneur. Passionate about developing technologies with more than 12 years industry experience in leading development teams and developing cutting edge techs in various industries. Building the planet tech by tech with over 70 published intellectual properties.

EDUCATION

- University of Essex, UK** *2018 - Present*
Ph.D. in Computer Science and Electronic Engineering
Main Research Focus: Energy Efficiency and Reliability of Applications on Heterogeneous Multi-Processor Systems-on-Chips
- Stanford University, USA** *2018 - Present*
Professional Education in Advanced Computer Security
- University of Manchester, U.K.** *2013 - 2014*
M.Sc. in Advanced Computer Science with specialization in Computer Systems Engineering
- St. Xavier's College (Autonomous), Kolkata, India** *2009 - 2012*
B.S. (Hons.) in Computer Science with *First Class* degree
Minor in Physics, Mathematics, English Language, Bengali Language, Environmental Sciences

TECHNICAL/RESEARCH STRENGTH

Programming languages: C/C++, C#, Java, Dart, Python
Web Technologies: HTML, PHP, Javascript, CSS, Django, Flask, Wordpress
Database Technologies: MySQL (SQL, PL/SQL), Microsoft SQL Server (T-SQL, Stored Procedures), MongoDB (NoSQL)
Other Technical Expertise: Test and Behaviour Driven Development, Agile/Scrum, Git, CI, Virtual Machine, Docker, AWS, GCP, Azure DevOps
Other Domain Expertise: Artificial Intelligence/Machine Learning, Computer Vision, Computing Resource Optimization, Mobile Development, Information Security, High Performance Computing, Distributed Computing, Multi-Processor System-on-chip
Stack Overflow Profile: <https://stackoverflow.com/users/4190159/somdip-dey?tab=profile>
Top 10% for answers in C# technology & .Net technology on Stack Overflow.

SELECTED INDUSTRIAL EXPERIENCE

- Nosh Technologies** March, 2020 - Present
CEO & Co-Founder *London, U.K.*
- Co-founded multi-award winning deep tech company, providing artificial intelligence and blockchain powered food management mobile solutions for Android and iOS to reduce food waste in the household.
 - Co-developed the award winning app - nosh - which is currently one of the most popular food waste and management mobile app in majority of countries (available in 176 countries). Featured by Business Insider, BBC, Daily Mail, The Independent and many more.
 - Delivered numerous talks & lectures to promote the products of the company in international technical conferences.
 - Currently, leading the ICO campaign for the company and its coin (token) offering.
- Clouted** April, 2021 - Present
Head of Technology & Co-Founder *New York, U.S.*
- Co-founded a highly awaited decentralized social media interaction platform - Clouted - based on social tokens (cryptocurrencies).
 - Co-developed the decentralized platform - Clouted - which has raised \$500K+ till date in investment for its development.
- Samsung R&D Institute, U.K.** January, 2019 - July, 2019
Research Engineer (On Device Artificial Intelligence) *Staines, U.K.*
- Developed methodologies in the Android OS using machine learning approaches to improve performance, energy efficiency and thermal behavior of gaming applications executing on mobile platforms.

Steanne Solutions Ltd.*Senior Software Development Engineer*

September, 2014 - February, 2018

Manchester, U.K.

- Developed and enhanced the flagship product - physical asset management software of the company while managing a team of developers. Saved the company £200K+ per year through automation.

Microsoft*Microsoft Student Partner & Mobile Developer*

October, 2010 - July, 2013

Mumbai, India

- Developed mobile applications using Microsoft technologies such as .Net, Silverlight, XNA while evangelized for Microsoft techs.

OTHER SELECTED WORK EXPERIENCE

The University of Essex*Lecturer (Fixed Term Teaching)*

February, 2021 - Present

Colchester, U.K.

- Developed & delivered lectures and course materials for "Languages and Compilers" module to 90+ undergraduate students in degree course.

nosh daily*Editor-in-Chief & Co-Founder*

March, 2021 - Present

Colchester, U.K.

- Manage the editorial process of nosh daily - artificial intelligence powered news and media website.
- Worked with several influencers with millions of followers to get interviews done for the news and media platform.

The University of Manchester*Research Associate*

January, 2021 - March, 2021

Manchester, U.K.

- Developed methodologies using machine learning to improve Git version control adoption in software engineering modules for undergraduates.

ACM XRDS (Crossroads) Magazine*Department Editor*

May, 2014 - December, 2015

New York, USA

- Selected, edited and written numerous popular articles for ACM XRDS (Crossroads) Magazine, which is read by millions of readers world wide and is the most popular magazine among Computer Science students.

IEEE Standards Association (IEEE - SA)*Member of Revision Committee & Team Lead of sub-group of WG P23026*

February, 2012 - December, 2017

Piscataway, NJ, USA

- Revising and updated the technical standard on "Systems and Software Engineering - Engineering and management of websites for systems, software, and services information".
- Team Lead of the sub-group revising the section on implementation of Java in web-applications/software.

Rooprug, Kolkata*Technical Manager & Foreign Affairs Officer*

January, 2012 - June, 2013

Kolkata, India

- Used to provide technical direction regarding machine operation to the mechanical workers of the Production Department.
- Represented as the Foreign Affairs Officer of the company at North American Bengali Conference 2012, Las Vegas, Nevada, USA to expand the business of the company overseas.

SELECTED SCIENTIFIC PUBLICATIONS, PAPERS AND PATENTS

Published more than 70 intellectual properties and 40 peer-reviewed scientific papers/articles, including publications in top (Q1/Q2) journals and top conferences. Current **citations** is *1000+*, **h-index** is *17* and **i10-index** is *40*. [Updated: June, 2021]

Research Profile available at **Google Scholar**: <http://scholar.google.co.uk/citations?user=KaCa2MgAAAAJ>

ResearcGate Profile: https://www.researchgate.net/profile/Somdip_Dey

SELECTED MEDIA APPEARANCES & PRESS COVERAGE

Regular appearances, features, mentioned and/or quoted in media and publication houses as a *Thought Leader* in the field of *information security* and *artificial intelligence*. Appeared/mentioned in more than 210 press articles/media outlets including Business Insider, Business Weekly, Bloomberg, Retail Gazette, The Cosmopolitan, USA Today and many more.

Selected press coverages are as follows:

- Selected media/presses: <https://linktr.ee/somdipdeynews>