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Education:

- B.E., Civil Engineering, COEP, Pune (1997)
- M.Sc., Soil Mechanics, Indian Institute of Science, Bangalore (2001)

Areas of Research interests:

- Human Aspects of Cybersecurity and Privacy (Usable Security and Privacy)
- Fair Usage Privacy Controls (Privacy Enhancing Technologies)

Patent granted:

1. Arun Kumar Jindal, Srinivasa Rao Chalamala, Ajeet Kumar Singh, Vijayanand Mahadeo Banahatti, Sachin Premasukh Lodha, Sumit Johri, Mayur Jain, Nandita Babu, Nikhil Girish Patwardhan and Ashim Roy. **System and Method for Cheque Image Data Masking**. US Patent No. [10,691,884](#), 23 June 2020.
2. Kumar Vidhani, Vijayanand Banahatti, Sachin Lodha, Gangadhara Reddy Sirigireddy, Govind Waghmare, Nikhil Sambhus, Rekha Pathak, Payal Lathi, Kalyani Mashiwal, Shefali Soni, Vidyadhar Rao and Rosni Kottekulam Vasu. **Method and System for Analyzing Unstructured Data for Compliance Enforcement**. EP Patent No. [181869405](#), 12 February 2020.
3. Santosh Kumar Jami, Srinivasa Rao Chalamala, Krishna Rao Kakkirala, Balakrishna Gudla, Arun Kumar Jindal, Bala Mallikarjunarao Garlapati, Sachin Lodha, Ajeet Kumar Singh and Vijayanand Banahatti. **System and Method for Text Localization in Images**. US Patent No. [10496894](#), 3 December 2019.
4. Gangadhara Reddy, Kumar Vidhani, Akhil Dixit, Vijayanand Banahatti and Sachin Lodha. **Method and System for Enforcing User Policy on Database Records**. US Patent No. [10423618](#), 24 September 2019.
5. Rohit Saxena, Amit Jadhav, Manish Shukla, Vijayanand Banahatti and Sachin P Lodha. **Dynamic Data Masking for Mainframe Application**. EP Patent No. [3067817](#), 27 June 2019. US Patent No. [10462148](#), 29 October 2019.
6. Vijayanand Banahatti and Sachin Lodha. **A System to Provide Enhanced Privacy for Accessing Contents of Web Based Applications**. India Patent No. [302423](#), 25 October 2018.

7. Manish Shukla, Kumar Vidhani, Joel Joseph, Vijayanand Banahatti and Sachin Lodha. **Analysis and Specification Creation for Web Documents**. US Patent No. [10055600](#), 21 August 2018.
8. Arijit Ukil, Joel Joseph, Vijayanand Banahatti and Sachin Lodha. **System and Method for Providing Sensitive Information Access Control**. US Patent No. [10019595](#), 10 July 2018. EP Patent No. [2946288](#), 5 August 2020.
9. Kumar Vidhani, Devangi Vyas, Mayur Jain, Vijayanand Banahatti and Sachin Lodha. **Masking of Different Content Types**. US Patent No. [9971903](#), 5 June 2018.
10. Kumar Mansukhlal Vidhani, Akhil Anand Dixit, Vijayanand Banahatti and Sachin P Lodha. **Data Privacy Management**. US Patent No. [9928381](#), 27 March 2018.
11. Kumar Vidhani, Gangadhar Reddy, Arun Kumar Jindal, Manish Shukla, Vijayanand Banahatti and Sachin Lodha. **System and Method for Enablement of Data Masking for Web Documents**. US Patent No. [9767086](#), 19 September 2017. EP Patent No. [3173965](#), 24 Jan 2019.
12. Nikhil Patwardhan, Ashim Roy, Rupali Kulkarni, Sumit Johri, Amol Limaye, Sachin Lodha, Vijayanand Banahatti and Srinivasan Iyengar. **System and Method to Provide Management of Test Data at Various Lifecycle Stages**. US Patent No. [9356966](#), 31 May 2016.
13. Manish Shukla, Joel Joseph, Kumar Vidhani, Vijayanand Banahatti and Sachin Lodha. **Dynamic Data Masking**. US Patent No. [9171182](#), 27 October 2015. EP Patent No. [2728508](#), 14 February 2018. India Patent No. [320063](#), 9 September 2019.

Publications:

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1. Sukanya Vaddepalli, Shree Nivas, Gokul CJ, Gangadhara Sirigireddy, Vijayanand Banahatti and Sachin Lodha. **PassO – New Circular Pattern Lock Scheme Evaluation**. Accepted in MobileHCI 2020.
2. Gokul CJ, Gangadhara Sirigireddy, Sukanya Vaddepalli, Vijayanand Banahatti, Sachin Lodha and Sankalp Pandit. **Passworld: A Serious Game for Enterprise Password Awareness**. In the Proceedings of 16th Symposium on Usable Privacy and Security (SOUPS) 2020, Boston, USA, pp. 1-19.
3. Harshal Tupsamudre, Sukanya Vaddepalli, Vijayanand Banahatti and Sachin Lodha. **Force vs. Nudge: Comparing Users' Pattern Choices on SysPal and TinPal**. In Proceedings of the 26th ACM SIGSAC Conference on Computer and Communications Security (CCS) 2019, London, UK, pp. 2537-2539.
4. Manish Shukla, Kumar Vidhani, Gangadhara Sirigireddy, Vijayanand Banahatti and Sachin Lodha. **pFilter: Retrofitting Legacy Applications for Data Privacy**. In Proceedings of the 26th ACM SIGSAC Conference on Computer and Communications Security (CCS) 2019, London, UK, pp. 2573-2575.
5. Rosni KV, Manish Shukla, Vijayanand Banahatti and Sachin Lodha. **Consent Recommender System: A Case Study on LinkedIn Settings**. In the Proceedings of the Privacy-Enhancing Artificial Intelligence and Language Technologies (PAL) 2019, Palo Alto, USA, pp. 53-60.

6. Harshal Tupsamudre, Rahul Wasnik, Shubhankar Biswas, Sankalp Pandit, Sukanya Vadepalli, Aishwarya Shinde, Gokul CJ, Vijayanand Banahatti, and Sachin Lodha. **GAP: A Game for Improving Awareness about Passwords**. In Proceedings of the 4th Joint International Conference on Serious Games (JCSG) 2018, Darmstadt, Germany, pp. 66-78.
7. Harshal Tupsamudre, Sukanya Vaddepalli, Vijayanand Banahatti and Sachin Lodha. **TinPal: An Enhanced Interface for Pattern Locks**. Presented in the Workshop on Usable Security (USEC) and also as a poster in Network and Distributed System Security Symposium (NDSS) 2018, San Diego, USA.
8. Gokul CJ, Sankalp Pandit, Sukanya Vaddepalli, Harshal Tupsamudre, Vijayanand Banahatti and Sachin Lodha. **PHISHY – A Serious Game to Train Enterprise Users on Phishing Awareness**. In Proceedings of the Annual Symposium on Computer-Human Interaction in Play (CHI PLAY) 2018, Melbourne, Australia, pp. 169-181.
9. Harshal Tupsamudre, Akhil Dixit, Vijayanand Banahatti and Sachin Lodha. **Pass-Roll and Pass-Scroll: New Graphical User Interfaces for Improving Text Passwords**. In Proceedings of the 2nd IEEE European Symposium on Security and Privacy (EuroS&P) 2017, Paris, France.
10. Harshal Tupsamudre, Vijayanand Banahatti, Sachin Lodha and Ketan Vyas. **Pass-O: A Proposal to Improve the Security of Pattern Unlock Scheme**. In Proceedings of the ACM Asia Conference on Computer and Communications Security (AsiaCCS) 2017, Abu Dhabi, United Arab Emirates, pp. 400-407.
11. Harshal Tupsamudre, Vijayanand Banahatti and Sachin Lodha. **POSTER: Improved Markov Strength Meters for Passwords**. In Proceedings of the ACM Conference on Computer and Communications Security 2016, Vienna, Austria, pp.1775-1777.
12. Harshal Tupsamudre, Akhil Dixit, Vijayanand Banahatti, Sachin Lodha and Manish Shukla. **Rotate to Protect**. Poster Presented at the 12th Symposium on Usable Security and Privacy (SOUPS) 2016, Denver, USA.
13. Rahul Kumar, Anand Sriraman, Kanika Kalra, Shrikant Joshi, Akhil Dixit, Vijayanand Banahatti, Shirish Karande and Sachin Lodha. **Platform for Crowd Editing of Indic Language Translations**. Presented in the 15th Machine Translation Summit Tech Showcase by AMTA 2015, Florida, USA.
14. Naman Gandhi, Vinit Gaikwad, Pratik Kasat, Nikita Garg, Abhay Doke, Varun Kumar, Shirish Subhash Karande, Vijayanand Banahatti, Niranjana Pedanekar: **PUSTACK: towards an augmented, scalable and personalized interface for paper textbooks**. APCHI 2013: 174-177
15. Vikram Nair, Vijayanand Banahatti, Niranjana Pedanekar: **TAGZILLA: Tag-Based File Storage and Retrieval**. HCI 2013: 505-514
16. Arijit Ukil, Soma Bandyopadhyay, Joel Joseph, Vijayanand Banahatti and Sachin Lodha. **Negotiation Based Privacy Preservation Scheme in Internet of Things Platform**. In Proceedings of the 1st International Conference on Security of Internet of Things (SecurIT) 2012, Amritapuri, India, ACM Digital Library, pp 75-84.