VIDUR SHAILENDRA BHATNAGAR

(215)252-6186

www.vidurbhatnagar.com | vidurb@seas.upenn.edu   4526 Walnut St, E-33, Philadelphia, PA 19139

EDUCATION

University of Pennsylvania, School of Engineering & Applied Sciences, Philadelphia, PA   *May, 2017*
Candidate for Master in Robotics (Artificial Intelligence)
    Courses – Machine Learning, Computer Vision, Computational Linguistics, Internet & Web Systems, Software Systems
    GPA – 4.0

Jaypee Institute of Information Technology, Noida, India
Dual Degree – 5 year program
    MBA in Human Resources | **GPA** – 8.9/10   *Apr, 2013*
    B.Tech. in Computer Science | **GPA** – 8.5/10 | Thesis awarded A+ grade   *May, 2012*

PATENT APPLICATIONS

- Visualization of Key Performance Indicator Dependencies (USA - 14/954,139)   *Nov, 2015*
- Multi-Dimensional Visual Analytics for Industries (India - 4107/CHE/2015, USA - 14/866,562)   *Sep, 2015*
- Virtual Split Dictionary for Search Optimization (USA - 14/314,032)   *Jun, 2014*
- Methods, Systems and Apparatus for Optimization Using Statistical Estimation (USA - 14/098,706)   *Dec, 2013*

PUBLICATIONS

- A Cost Effective Sign Language to Voice Emulation System (IEEE IC3, 2015)   *Aug, 2015*
- In-Memory Database Optimization Using Statistical Estimation (IEEE CCEM, 2015)   *Nov, 2015*

SOFTWARE DEVELOPMENT EXPERIENCE   *Java, Swing, JS, D3, Python, Matlab, SQL, HTML5, CSS3*

Research Assistant (for Prof. Lyle Ungar) | University of Pennsylvania   *Aug, 2015 – Nov, 2015*
Developed live-map for World Well-Being Project (WWBP) – an interactive Google Map implementation to visualize constructs like well-being, depression, diabetes across North America.

Fellow | Managing Director's Office, SAP Labs India   *Oct, 2013 – May, 2014*
Implemented machine learning algorithms on SAP HANA to build a suite of predictive rules engines for a cricket franchisee. Co-invented a new concept to optimize SAP HANA through compression of dictionary tables.

Technical Intern | SAP Labs India   *Feb, 2013 – Jun, 2013*
Developed a geo-location based Augmented Reality (AR) Android platform – SAP Third Eye.

Contract Developer | Rohits & Co. (India), Roorkee, India   *Jul, 2011 – Feb, 2013*
Delivered and maintained an Enterprise-Resource Planning (ERP) module to automate revenue cycle management.

PRODUCT MANAGEMENT EXPERIENCE   *JIRA, Product Delivery, Roadmap Planning, Data Visualization*

Product Owner | SAP Labs India, Bangalore   *Jun, 2014 – Jun, 2015*
Coordinated definition, quality and delivery of novel enterprise visualizations for SAP Cloud for Planning and SAP Lumira.

Fellow | SAP Labs, Palo Alto   *Nov, 2013 – Feb, 2014*
Defined product roadmap and fan engagement portfolio of Social Flex Seating for Stanford University.

ACHIEVEMENTS

- **IInd Position, PennApps**, **Spring 2016** (World's Largest Collegiate Hackathon)
  Developed an automation system for pumped breast-milk management at a neonatal ICU.

- **IInd Position, PennApps**, **Fall 2015** (World's Largest Collegiate Hackathon)
  Hacked a Myo-band to visualize a person's foot pressure map and trigger SoS messages in case of a Parkinson's attack.

- **Employee of the Year, 2013** (Spirit Of Innovation) at SAP Labs India, across 4500 employees.

- **Youngest Product Owner** at SAP Labs (globally across all locations), as of 1st Jun, 2014.

- **IInd Position, Class of 2013** (dual-degree) at Jaypee Institute of Information Technology, Noida.

- **Government of India scholarship** (C.B.S.E. CSS) recipient from 2008 – 2013.

- **National-level Basketball player** with 12 years of competitive experience, including NBA India.