ADITYA BUDHWAR

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EDUCATION

California Polytechnic State University, San Luis Obispo, California, USA — March 2018
Masters of Science, Computer Science — CGPA: 3.8/4.0
- Thesis: Predicting voting patterns based on statements the voting committee members make. Are of focus was Artificial Intelligence; Natural Language Processing; Machine Learning.
- Publication: Developed unique vote and bill prediction model with a precision of 83% and authored the paper for ACM publication. The research findings presented in the dg.o 2018 conference in Netherlands.

Harcourt Butler Technological Institute, Kanpur, India — August 2009
Bachelor of Technology, Computer Science and Engineering — First Class (73.8%)
- Awards: Qualified National level programming contest organized by ACM and were among the top 15% of the teams participating at Asia Level.
- Publication: Developed new 3D face recognition algorithm with precision of 98.5% and authored paper for IEEE publication. Presented research findings in IEEE international conference on new technologies, mobility and security held in Cairo.

EXPERIENCE

EXPEDIA — Chicago, USA
Software Development Engineer 2, ECP — April 2019 – Present
- **Backend Development:** Working on financial orchestration engine in Expedia, which is responsible for keeping the Ledger details for Hotel bookings. I am developing this product on AWS cloud using microservices architecture.

VERITAS TECHNOLOGIES LLC — Mountain View, USA
Software Development Engineer, Iris (SDS group) — April 2018 – April 2019
- **Backend Development:** Developed the QOS module which is the message queue monitoring system, this system is responsible for prioritizing the service requests received by the product. I am currently working on various bug fixes for the Veritas Iris product.

VERITAS TECHNOLOGIES LLC — Mountain View, USA
Intern Software Development Engineer, Cloud Platform Organization — June 2017 – September 2017
- **Cross-functional Teamwork:** Worked on number of new technologies such as AWS, Kubernetes & Swagger and developed a prototype like cloud custodian for Microsoft Azure. I also enabled swagger UI for entire platform team which had more than 20 services live. Won the first place among the 50+ intern teams competition across US Veritas for 'most innovating project to create the future' award.

ADOBE SYSTEMS — Noida, India
Lead Software Engineer, Globalization and Text Analytics — April 2012 – August 2016
- **Product Ownership:** Prioritized customer commitment, sales and baseline benefits to define product roadmap for Lipika, library responsible for text shaping of Indic characters in Adobe products such as InDesign, Photoshop and Illustrator. Supported business growth from $10M to $250M within three years and awarded prestigious 'Bravo' award for achieving zero bug counts
- **Team Leadership:** Responsible for release and planning activities of eight libraries. Identified limitation in multi-language search support for three Adobe products - Stock, Adobe Experience Manager and Behance. Led team of three to develop language specific elastic search solution that enhanced search results by 20%
- **Process Automation:** Designed and automated product release of globalization library for spell-checking, hyphenation and user dictionary. Implemented solution on use-cases across 36 locales and reduced product release cycle from 30 days to 1 day
- **Creative Thinking:** Proposed new approach to dynamically bookmark videos by automatically generating captions in multiple languages and bookmarking based on search phrase. Technical paper was selected from over 1000 entries and product demo was show-cased at Adobe Tech Summit in San Francisco
- **Awards and recognition:** Received five awards within 4 years, for delivering innovative products and reducing product release cycle for two major processes by 30 times over. Drove innovation by developing patent-pending algorithm on text categorization based on skimming relevant content from articles

ARICENT — Gurgaon, India
Software Development Engineer, Eagle-XG & Communication Agent — September 2009 – April 2012
- **Problem Solving:** Integrated SS7 protocol for client Tekelec, this helped in effectively transferring multiple messages across different stacks used by different applications. The application of this feature was supported in France and China.

- **Performance Oriented:** Implemented Communication Agent project, achieved the target set of successfully transferring 1.6 million messages per second. Wrote the CPP Test units for the modules as well for automatic verification of messages.
- **Designing:** Led the team for entire user interface development for Communication Agent a team of four, wrote requirements, implemented those requirements, interacted with clients and managed interaction with cross team members.

ADDITIONAL INFORMATION

- Technical Skills: Java, Python, SQL, Machine learning.
- Tools: AWS, ElasticSearch, Solr, Visual Studio, XCode, IntelliJ, Leaks, Selenium, Vmware, Jmeter, Jira, Jenkins, Kumo, GIT, Perforce
- Social Initiatives: Member of CSR group that managed community service activities at Adobe and Aricent.
- Interests: adventure sports (bungee jumping, rafting, gliding, etc.), hiking (scaled 16000 ft more than twice), lawn tennis, cricket.
- Language Fluency: Hindi and English.