

# MEGHNA BURLI

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## EDUCATION

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**University of California, Santa Cruz, USA**

*(Expected) Dec 2020*

*M.S in Computer Science*

**D J. Sanghvi College of Engineering, University of Mumbai, India**

*2012-2016*

*B.E in Information Technology-CGPA: 8.34/10.00*

## PROFESSIONAL EXPERIENCE

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**Software Developer, Infinite Computing Systems**

*Jan'17-May'19*

*Mumbai, India*

- Developed applications in Java and C# using SOA and deployed on a private cloud. This cloud adoption helped reduce infrastructure costs by 60%.
- Implemented session replication, authentication, load balancing, log aggregation, and analytics services in Java/ C#.
- Collaborated with a US oil and gas multinational to automate their route management using Dijkstra's Shortest Path First algorithm.

**Software Developer(Intern), United Nations**

*June'18-March'19*

*Mumbai, India*

- Developed Donation and Volunteer sections of a website for fundraising for Burkina Faso, Africa, which included a Call to Action UI. Built using PHP, MySQL, Angular, JavaScript, and jQuery.
- Segmented donor data in MySQL based on donation size, history, frequency, age, and interests using Segment API

**Software Developer, Internet Design Zone**

*July'16-Jan'17*

*Mumbai, India*

- Developed educational games in Flash ActionScript 3.0 for Android and iOS using Singleton and Abstract Factory Design Patterns which gained recognition by over 2000+ reviews worldwide.

**Intern, Larsen and Toubro Limited**

*June'15-July'15*

*Mumbai, India*

- Developed parameterized chart, graph, linked, dashboard, scorecards, and reports on SSAS Cube using MDX, drill-down, drill-through, and cascading reports using SSRS.

## TECHNICAL SKILLS


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- **Languages:** Java(Proficient), C#,C, JavaScript, HTML, CSS, SQL, PHP, Solidity(Basic), Actionscript(Basic)
- **Frameworks:** .NET MVC, AngularJS, Entity Framework, WCF, Web API(Basic) ,Bootstrap and Appery.io
- **Distributed Computing Platform:** Ethereum
- **Database and other tools:** MySQL, SQL Server, MongoDB, Git


## TECHNICAL PROJECTS AND PAPERS

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**Dual Authentication Model Based Digital Election Process using Ethereum blockchain**

- Leveraged Ethereum's proof of stake concept to build a digital voting system and integrated uPort (Ethereum based wallet) for authentication.
- Presented at the annual IEEE conference(India). Scheduled for publication in IEEE Xplore. View Camera Ready Version 

**Fault Tolerance & Concurrency Control in Heterogenous Distributed Databases(Capstone Project)**

- Implementation of Fragmentation, Replication, Fault Tolerance and Concurrency Control in Java .
- Published in International Journal of Advanced Research in Computer and Communication Engineering. View Paper 

**Implementation of BM25 score**

- Found top ranked documents for a query using Okapi BM25 page rank algorithm.

**Sentiment analysis using Map Reduce Principle in Java**

- Built a Naive Bayes classifier to identify the emotional tone of a novel using Hadoop Map Reduce algorithm in Java.

## Awards and Extra Curricular

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- Recognized as a **Forbes Under 30 scholar**
- Teaching Fellow at **Make a Difference (MAD)**
- Team Lead, **Computer Society of India** - Best Student Chapter, DJSCE