

MEGHNA BURLI

+1-831-332-4273—meghnaburli@gmail.com—linkedin.com/in/meghnaburli

EDUCATION

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

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.
- Designed relational database models, star and snowflake schemas entity-relationship diagrams, and ERMs.

Intern, Tigri Innovation

June'14-Oct'14

Mumbai, India

- Developed an Android Application and promotional website using cloud database and server-side scripting to implement authentication, push notifications and price listing modules.

TECHNICAL SKILLS

- **Languages:** Java, C#, C, JavaScript, HTML, CSS, SQL, PHP, Solidity(Basic), Actionsript(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

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

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