SUBHAM SONI

Mumbai · subham.soni95@gmail.com · +91 9948427958

EDUCATION

BITS Pilani — Hyderabad
B Tech (Hons) Computer Science · *GPA: 7.93* — Aug 2013 - Jan 2018

WORK EXPERIENCE

Morningstar — Navi Mumbai
Software Engineer — July 2022 | Current
- Maintaining the techstack of multiple projects in the production pipeline.
- Working with Relational Databases and Parquet file system to upgrade the dabase infrastructure of the project.

BITS Pilani — Hyderabad
Research Fellow, funded by DRDO-Aeronautics Research & Development Board — July 2021 | June 2022
- Project on GPU parallelization to convert pre-existing algorithms for aeronautical applications.
- Introductory exploration of Parallel Programming concepts for Regent.
- Project resulted in algorithms which would be used for future aeronautics research and optimisation based on parallel programming.

Media.Net (Directi) — Mumbai
Software Engineer (SDE-1) — Jan 2018 | June 2019
Intern — Mar 2016 | June 2016
- Implementation of a Scala based module for optimising queries on Spark-SQL
- Implementation of history server for production Hadoop cluster to reduce logging time for production servers significantly
- Elasticsearch interfacing for a Machine Learning Project and building and testing APIs for applying the Project on various datasets
- Work resulted in query optimisation and improvement of sanity for the entire data infrastructure of the company.

Samsung Research & Development Institute, India — Bangalore
Intern — January 2017 | June 2017
- Bixby agent development and work on the interface for NLP based Samsung Voice agent

Central Electronic and Electrical Research Institute (CEERI) — Chennai
Intern — Mar 2015 | June 2015
- Research and Implementation of Chemo-metric and Advanced Signal Processing Algorithm

Wikimedia Foundation
Grantee (Individual Engagement Grant) — 2015
- A six-month project to build a newcomer-friendly mentorship space on English Wikipedia.

SKILLS

Programming Languages:	Java, Scala, C++, C, Julia
Scripting:	Python, Bash
Database systems:	SQL, MySQL, Hadoop, Hive, Spark
Statistical Analysis:	R, Matlab, Python
Parallel Programming :	Cuda C++, Regent

PROJECTS, ACHIEVEMENTS AND POSITIONS OF RESPONSIBILITY

- **Project, Mathematics Department, BITS Pilani Hyderabad Campus** - An introductory exploration of Parallel Programming concepts for Julia. Completed under the supervision of Dr. Anil N.
- **Editor, English Wikipedia** - Rollbacker, Reviewer, former OTRS volunteer and editor on English Wikipedia. 8000+ edits, attended Wikimania (annual conference) 2014 in London.
- **Core organiser, WikiConference India 2016, Chandigarh** - Grants and Reporting Team, Scholarship Team, On site Organising and Management.
- **Secretary, Journal Club, BITS Pilani (2015-16)** - Handling the club from start to finish, from day-to-day organising of events to promoting journalism on and off-campus

- **Head of Online Publicity, Verba Maximus (2015)** - Managing overall online publicity, social media campaign and multiple events for the literary festival of campus.
- **Head of Design, BITSMUN Hyderabad (2014)** - Managing all design elements and leading the team to handle Design logistics for the Mock United Nations conference.
- **Winner, National Cyber Olympiad (2007)** conducted by Science Olympiad Foundation.
- **Other involvement** - Active member of Crux (Coding club, college), Quiz club, English Language Activities Society, Department of Publicity and Public Relations, Astronomy Club, Design Club, Grandh (Educational NGO), Participant and winner of numerous inter college coding competitions.