Shivam Rustogi

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EDUCATION

Georgia Institute of Technology : College of Computing
Atlanta, Georgia

MASTER'S IN COMPUTER SCIENCE M.S. (C.S.)
August 2021 - Present

- Technical Electives - Algorithms, Database Systems, Cognitive Machine Learning
- **Full Scholarship** - awarded to **15%** of the graduate students on the basis of technical skills, presentation skills and leadership skills

IIIT Delhi
New Delhi, India

B.TECH.(CSE) (**HONORS**) WITH MINORS IN ECONOMICS (**DEAN'S LIST OF ACADEMIC EXCELLENCE**)
June. 2014 - Jul. 2018

- Technical Electives - Object Oriented Programming, Mobile Applications, Algorithms, Data Structures

SKILLS

Java, Python, Javascript, Microservices, Agile Methodology, React, Golang, NOSQL, C, C++, Algorithms, Data Structures, Databases, MongoDb, Design Thinking, Agile Software Development, MVP testing, Kibana, Catch-Point, SQL, Natural Language, Machine Learning, Clustering, Data Science, HTML, CSS, Artificial Intelligence

WORK EXPERIENCE

Georgia Institute of Technology
August 2021 - Present

GRADUATE TEACHING ASSISTANT (**MOBILE APPLICATIONS AND SERVICES**)

- Teaching students various technologies like Java, Rest Apis and design thinking (UX) along with grading and assisting them with bugs

Expedia Group
July. 2018 - September 2020

SOFTWARE DEVELOPMENT ENGINEER (**EXPEDITED PROMOTION**)

- Engineered various cloud based modules (Web Technologies, Microservices ,Test Driven Development, RESTFul architecture) such as change search, filters, policy, ads for Expedia. (C++,Java, Spring, Javascript(Backbone), React,Handlebars, Mongodb,MySQL) which lead to a cumulative increase of 2 million dollars in revenue
- Wrote an ensemble recommender system for hotel reviews(text,image-data) which lead to a 4.6% increase in booking rates.
- Collaborated with the design and product teams to deliver features which led to an increase of over a million dollars in revenue.
- Executed AB tests with the decaying epsilon approach to test features in an agile environment to lead to an increase in revenue of 7%

LiveChek
December 2020 - July 2021

SOFTWARE DEVELOPER

- Engineered frontend features using js (react,backbone) and html(handlebars) for the B2B platform which increased book to click ratio 1.2 times
- Engineered various back-end(Java,C++) services and databases(sql,redis,dynamodb,aws) and REST APIS for the platform which led to over 1.2 million dollars in revenue

Ministry of Drinking water and Sanitation (with the Bill and Melinda Gates Foundation)
May. 2017 - Jul. 2017

SOFTWARE ENGINEERING INTERN

- Recruited and lead a team of 5 students from IIIT Delhi to develop a mobile application which was used for data collection and data verification in over **1 million villages** under the Swachh Bharat Mission Gramin. Play store link : https://play.google.com/store/apps/details?id=nic.rws **(100k+ downloads)**

PwC
May. 2015 - Jul. 2015

SOFTWARE ENGINEERING INTERN

- Engineered a role based access control e-commerce system using Java, Hibernate ORM and SQL(on the Govt. of India's website).

PROJECTS & RESEARCH

College of Computing, Georgia Tech
Atlanta, Georgia

GRADUATE TEACHING ASSISTANT
Aug 2021 - Present

- Performing comparative analysis on MongoDB, Apache HBase and CockroachDB to evaluate the databases on various metrics to measure performance and latency on the same benchmarks to present their capabilities by quantitative metrics

Georgia Institute of Technology   *Atlanta, Georgia*

Graduate Teaching Assistant   *August 2021 - Current*

- Researching and optimising indexing and partitioning techniques in distributed database systems to improve performance

                                                                New Delhi, India

Precog, IIIT Delhi

Research Intern   *May 2016 - Aug 2016*

- Studied the behaviour of malicious users on twitter on mobile applications such as WhatsApp, WEchat and Viber using various API's, MySQL and Python and developed a tool for data visualisation with Python using data from twitter apis to analyse twitter posts

HONORS & AWARDS

2019	**Tsinghua, NUS, ISB exchange on product development and design thinking (one of the 20 representatives from India)**, AIEIP (**Pan Asia**)	*China, Singapore, India*
2018	**Runner's up**, Expedia Hackathon 2018	*Gurugram, India*
2014	**All India Rank 2583 (0.001 percentile)** , IITJEE 2014	*New Delhi, India*