Govinda Totla

SOFTWARE ENGINEER

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Skills

Programming Languages	C++, Python, Bash, JavaScript, SQL
Technologies and Frameworks	Highcharts, AWS, Google Cloud, Django, Git, Jupyter, Pandas

Education

Indian Institute of Technology (BHU), Varanasi   *Varanasi, India*

BACHELORS OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING   *July. 2016 - PRESENT*

- Cumulative Performance Index, CPI: 8.67/10.00

Experience

Hackerrank   *Work from home*

TECHNICAL CONTENT ADMIN   *July 2019 - Present*

- Managing the external technical content curators for Hackerrank.
- Creating and testing algorithmic and CS fundamentals based challenges.
- Exposure: Algorithms and Data Structures, Decision-Making, Problem-Solving

D.E. Shaw India Pvt. Ltd.   *Hyderabad, India*

INTERN, MEMBER OF TECHNICAL STAFF (JAVASCRIPT-PYTHON TEAM)   *May 2019 - July 2019*

- Implemented an API to suggest the appropriate visualizations of a given data-set.
- Designed a model to predict relevant field-sets for a given data-set.
- Developed an algorithm to select the most informative chart type for a given set of fields.
- Exposure: Highcharts, Jupyter Notebook, Pandas

BlueStacks   *Gurgaon, India*

INTERN, MEMBER OF TECHNICAL STAFF (CLOUD TEAM)   *May 2018 - July 2018*

- Implemented an API to translate the text in an image in-place using Google API's and Python Imaging Libraries.
- Designed a machine learning model to predict if a user would be interested in playing quest.
- Developed a Google chrome extension to automate population of data store from vendors site.
- Exposure: Google APIs, AWS, Python Imaging Library(PIL), Chrome Developer Tools, Web Scrapping

Projects

Optimizing Downlink Power Control in Wireless Networks   *IIT (BHU), Varanasi*

BACHELOR THESIS PROJECT, DR. R. GUPTA   *Janurary 2019 - April 2019*

- Designed a game theoretic model to optimize downlink power allocation in MIMO technology used in wireless networks.
- Exposure: Game Theory, Wireless Networks

Hostel Management Portal (WebApp)   *IIT (BHU), Varanasi*

DATABASE MANAGEMENT PROJECT, DR. R. CHOWDARY   *September 2018*

- Developed a web application for e-registration and managing grievances and activities in the hostels of the institute.
- Used third normal form to reduce redundancy in database.
- Exposure: MySQL, Django, HTML, CSS, Javascript

Automated Trading Model using Reinforcement Learning   *IIT (BHU), Varanasi*

EXPLORATORY PROJECT, DR. S. K. SINGH   *Sep. 2010 - Oct. 2011*

- Implemented Q-Learning algorithm with epsilon-greedy technique to build a trading agent model.
- Exposure: Reinforcement Learning, sklearn, pandas

Achievements

2017	**32nd Place**, ACM-ICPC Asia Gwalior Regionals		*Gwalior, India*
2018	**26th Place**, GS Quantify		*Banglore, India*
2018	**3rd Place in India**, Hello 2018 Coding Contest		
2016	**687th Place**, JEE Advanced		

Position of Responsibility

2019	**Festival Manager**, Codefest, Computer Science and Engineering Society, IIT(BHU)	*Varanasi, India*
2019	**Event Manager**, Technex, IIT(BHU)	*Varanasi, India*
2018-19	**Secretary**, Club of Programmers, IIT (BHU)	*Varanasi, India*
2018-19	**Co-Head**, Hostel Web Committee, IIT(BHU)	*Varanasi, India*

Relevant Courses

- ITW- I (Bash Scripting and Python)
- ITW- II (Web Dev. and SQL)
- Artificial Intelligence
- Database Management Systems
- Software Engineering
- Probability and Statistics
- Data Structures
- Algorithms
- Information Retrieval
- Discrete Mathematics
- Computer System Organization
- Operating Systems
- Computer Graphics
- Discrete Mathematics
- Theory of Computation