

Abhishek Gahlot

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EDUCATION

KURUKSHETRA UNIVERSITY

BACHELORS IN COMPUTER SCIENCE

June 2015 | Kurukshetra, India

SKILLS

PROGRAMMING

JavaScript • Python • Go

• PHP

FRAMEWORKS

Node.js • React/Redux • Flask

• Tensorflow • Keras • Pytorch

DATABASES

MySQL • PostgreSQL • MongoDB

OTHERS

Redis • RabbitMQ • Terraform

Docker

LINKS

[Github://abhishekgahlot](https://github.com/abhishekgahlot)

[LinkedIn://abhishekit](https://www.linkedin.com/in/abhishekit)

[Stackoverflow://abhishek](https://stackoverflow.com/users/1000000/abhishek)

COURSEWORK

UNDERGRADUATE

Algorithms and Data Structures

Operating Systems

Mathematics

Artificial Intelligence + Practicum

Machine Learning and Neural Networks

Unix and Linux

Software Engineering

Automata Theory

ONLINE EDUCATION

- Algorithms (Coursera)
- Machine Learning (Coursera)
- Discrete Optimization (Coursera)
- Compilers (Coursera)
- Artificial Intelligence (Edx-Berkeley)
- Cryptography (Coursera)
- Parallel Programming (Coursera)
- Deep Learning (Coursera)
- Operating Systems (Edx)
- Calculus and Linear Algebra (Edx)
- Coding Competitions (Edx)
- NAND2Tetris (Coursera)

EXPERIENCE

SATBOT | SOFTWARE ENGINEER

Aug 2018 - Present | Remote, India

- Developed trading bots and trading terminals for Cryptocurrencies
- Scales to 100M+ requests and processes 20K+ trades every day
- Co-located servers and trade execution near exchange to reduce latency to milliseconds
- Applied Deep Learning and Reinforcement Learning strategies to various inefficient markets
- Tech Stack: Python, Go, Node.js, React, Redis, Docker, PostgreSQL

AUTOMATTIC (WORDPRESS) | SOFTWARE ENGINEER

July 2017 - Aug 2018 | Remote, India

- Designed and implemented a Business analytics tool to highlight the company performance on various aspects. The tool was used across teams and contributed to improving the product strategy
- Worked on open source WordPress core editor Gutenberg
- Developed collaborative editing infra for WordPress core editor
- Tech Stack: JavaScript, Node.js, React, Python, MySQL, MongoDB

HACKERRANK | SOFTWARE ENGINEER

July 2015 - July 2017 | Bangalore, India

- Developed code completion servers which handles more than 100 millions requests per month
- Implemented real-time code editing and code running servers which was widely recognized and shot up our client numbers
- Developed web based IDE and implemented peer to peer video calling infra from browser
- Tech Stack: JavaScript, Node.js, React, Go, Python, MySQL, MongoDB

PROJECTS

GUTENBERG RTC | JAVASCRIPT

Github <https://github.com/abhishekgahlot/gutenberg-rtc>

Peer to Peer collaborative editing with encrypted data transfer between peers.

MANGOSHAKE | PYTHON, TENSORFLOW, KERAS

Github <https://github.com/abhishekgahlot/mangoshake>

Deep Learning (Convolutional Neural Network) for order book and HFT visualization.

CARROT | Go

Github <https://github.com/gophercarrot/carrot>

Distributed WebSocket and HTTP Load Testing Framework in Go.

TERRAFORM AWS ECS APPLICATION | TERRAFORM, DOCKER

Github <https://github.com/abhishekgahlot/terraform-aws-ecs-application>

Implementation of Docker App on AWS ECS Fargate with Terraform.

PUBLIC SPEAKING

2017	ScaleConf 2017	CapeTown, South Africa
2017	Indian Developer Summit 2017	Bangalore, India
2017	WordCamp 2017	Singapore, Singapore
2018	GopherCon 2018	Pune, India