Somesh Chaturvedi

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AREAS OF INTEREST

Artificial Intelligence
Software Development
Computational Biology

EDUCATION

GRADUATION

B.Tech Biotechnology
IIT Roorkee, 2014 - 2018

COURSEWORK

GRADUATION

Computer Programming
Linear Algebra and Calculus
Modern Physics
Psychological Studies
Interpersonal Dynamics
Modeling of Biological Data
Molecular Genetics

ONLINE

Deep Learning with Tensor Flow
Neural Networks and Deep Learning
Improving Deep Neural Networks

SKILLS

COMPUTER LANGUAGES

Python • C • C++ • R
JavaScript • Java • C#
php • HTML5 & CSS3

SOFTWARE PACKAGES

Android Studio • Visual Studio
Git • Heroku • AWS • Linux
MySQL • MongoDB

LINKS

Github:// **someshchaturvedi**
LinkedIn:// **somesh-chaturvedi**
Medium:// **somesh.08.96**
Twitter:// **somesh0896**
Portfolio:// **someshchaturvedi.in**

REFERENCES

AMIT GARG

CEO, H-ilabs INC
amit.garg@hilabs.com

DR. DEEPAK SHARMA

Assistant Professor, IIT Roorkee
deepak.fbt@iitr.ac.in

INTERNSHIPS

GLOBAL ALLIANCE FOR GENOMICS AND HEALTH GSoC Student

May 2018 – August 2018 | Remote
- Selected as Google Summer of Code student in 2018
- Developed an automated test suite for API testing with mock servers using Python's pytest framework
- Developed a client library in Python along with a CLI tool using TDD techniques
- Will be developing a test suite to check clients compatibility with servers

SUPERTEXT TECHNOLOGIES Software Engineering Intern

May 2017 – Jul 2017 | Bangalore, India
- Conceptualised and designed back-end architecture of the machine learning engine for intents and entities classification
- Implemented machine learning algorithms and semantic comparison methods
- Deployed on Amazon EC2 instance and used Jenkins for automation

INGENIUM Software Development Intern

May 2017 – Jul 2017 | Remote
- Designed the back-end architecture of the platform providing tailor-made tests on Django using AWS RDS
- Implemented Celery Redis for queuing tasks and deployed on AWS eb instance

H-ILABS INC Software Engineering Intern

May 2016 – July 2016 | Mumbai, India
- Worked on Data Visualization using Highcharts and DataTables
- Grasped the fundamentals of Big Data and Natural Language Processing

PROJECTS

DHADKAN CBTB Lab, IIT Roorkee

- Dhadkan is an android App for remotely monitoring and providing medical assistance to the patients of heart failure
- Developed on Django and integrated JWT authentication and FCM services

CUSTOMIZABLE-DJANGO-PROFILER Github

- customizable-django-profiler django middleware which is used for profiling requests for performance optimizations of remote servers
- Published this package on PyPI

POSITIONS OF RESPONSIBILITY

CO-CONVENER WEB Cognizance, Annual Technical Festival

2017 - 2018 | IIT Roorkee
- Conceptualised and formulated entire timeline of the website creation.
- Spearheaded a 3-tier team of 20 developers and designers
- Created a software for on-boarding of 2500+ participants from across India

EXTRACURRICULARS

MEMBER Chreography and Dance Section

2014 - 2018 | IIT Roorkee
- Active member of Dance Section during graduation at IIT Roorkee
- Participated in various inter-college competitions