

Ritika Motwani

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ritika.motwani0712@gmail.com • +918400131500

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| EDUCATION | Indian Institute of Information Technology Allahabad | Expected July 2019 |
| | <ul style="list-style-type: none">• Bachelors of Technology in Information Technology.• CGPA (After 7 semesters): 8.73/10• Relevant Coursework: Software Engineering, Object Oriented Methodology, Database Management Systems, Operating Systems, Computer Organization & Architecture, Data Structures, Design, Analysis of Algorithms | |
| | St. Joseph's Convent, Bhopal | July 2014-May 2015 |
| | <ul style="list-style-type: none">• Secured 96.4% in 12th CBSE Board Exams. | |
| EXPERIENCE | Research Intern | January 2019 - June 2019 |
| | TL Labs, Nanyang Technological University, Singapore | |
| | <ul style="list-style-type: none">• Working on Project Creton under the guidance of Assoc. Professor Chng Eng Siong.• The goal of the project is to use Text Mining and Natural Language Processing to extract information of emotional state of person from previously conducted study. | |
| | Google Summer of Code Student | May 2018 - August 2018 |
| | FOSSASIA, Singapore | |
| | <ul style="list-style-type: none">• Worked in EmberJS and Semantic UI. Link for the project: Open Event Frontend.• Organized the processes around decoupling of back and front end with a focus on a complete redesign of the front end. | |
| | Remote Developer Part-time Intern | August 2018 - Present |
| | FOSSASIA | |
| | <ul style="list-style-type: none">• Continuing to work on the GSoC Open Event Project in an official capacity, as a remote developer | |
| | Summer Intern | May 2017 - June 2017 |
| | Reliance Communications Limited, Bhopal, India | |
| | <ul style="list-style-type: none">• Completed the project work on the topic Customer Services.• Worked with the management and technical teams. Learnt and used various softwares that are there in the telecom industry. | |
| PUBLICATIONS | Khare, Abhinav, Motwani, Ritika, Patil, Jayesh, Akash, S., Kala, Rahul "Learning the Goal Seeking Behaviour for Mobile Robots." <i>2018 3rd Asia-Pacific Conference on Intelligent Robot Systems (ACIRS). IEEE, 2018.</i> | |
| SELECTED PROJECTS | Verifiable IoT Data Exchange :- Semester project which iterates on the data verification wizard developed. It combines the wizard with the distributed database - highcaindb and runs on a cluster of nodes. The platform allows the users to confidently sell and exchange data on account of it being verifiable | |
| | Regression based Motion Planning :- Implemented a neural network to simulate a robot to navigate obstacles and reach its goal using reinforcement learning. Compared results and accuracy by contrasting supervised learning approach with reinforcement learning approach. The work has been published by IEEE. | |

3-D Modeling of a Reservation System for Hotel:- Semester project which implemented a 3-D model for reserving rooms, in a hotel. The user can explore the view from his room beforehand using the visualizer which rendered a 3-D model of the actual hotel. Technology used was Flask.

COMMUNITY INVOLVEMENT

Google Code In 2018, Mentor for FOSSASIA

- Guided young students to begin their journey into open source
- Created and reviewed the tasks assigned to students during program.

Codeheat, Mentor for FOSSASIA

- Guided young students to begin their journey into open source
- Reviewed their code for the Open Event Project of FOSSASIA

IEEE Student Branch Member, IIIT Allahabad

- Worked in Public Relations wing of IEEE Student Branch of IIITA for the session September 2015 - September 2016.

Women In Engineering Member, IEEE, IIIT Allahabad

- Selected as a technical team member of Women in Engineering wing (IEEE) for the session January 2016 - May 2016.

SCHOLARSHIPS & AWARDS

- **Open Source Summit, Japan**, Received a full scholarship and Travel funds to attend the Open Source Summit in Japan in July'19.
- **Grace Hopper Celebration, India**, Got the Student Scholarship to attend one of the largest gatherings of Women in Tech, India in Bangalore.
- **Finalist of Codeheat**, 2017-2018, a contest by FOSSASIA. Was selected in top ten among six hundred forty seven participants.
- Won the Best All Girls' team in Hack In The North, IIITA.
- Winner of the special Girls Prize in OpenCode organized by Geekhaven, IIIT Allahabad.

EXTRA-CURRICULAR

- Featured Speaker of Jugaadfest, 2018. Gave a talk on Open Event project of FOSSASIA.
- Published blogs under FOSSASIA related to my GSoC project.
- FOSSASIA Open Tech Nights Winner.
- City Girls Topper in the 12th board examinations by Central Board of Secondary Education.
- Organized two IEEE events in IIITA - Technikwiz, 2015 and Technikwiz, 2016.
- Organized various events like Ala Mode, AdMania in Effervescence - Cultural Fest of IIITA.

CONFERENCES & TALKS

- Attendee, **FOSSASIA Summit 2018 as a Codeheat finalist.** Singapore
- Presented my paper at, **ACIRS'18** Singapore

SKILLS

C, HTML, Python, CSS, JAVA, Flask(basics), GIT, Ethereum Blockchain, IPFS(Basics), JavaScript, EmberJS, ReactJS, Docker