

Shubham Madheysia

IMT Geophysical Technology

UG(V Year I Semester)

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Registration No: IMT/GPT/13411025/2018

Indian Institute of
Technology
Roorkee



Area of Interest

Java and Full Stack Web Developer (BackboneJs, AngularJs, MVC development, SPA, HTML5, CSS3, RDBMS, ExpressJs, REST APIs)

Education

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2017	IMT 4th Year	Indian Institute of Technology, Roorkee	7.5
2012	Twelfth	Indian School Certificate (ISC)	88.0 %
2010	Tenth	Indian Certificate for Secondary Education (ICSE)	85.9 %

Internships

Software Developer Internship | Xprep.co

15th May 2017 - 15th Jul 2017

- Developed xprep.co v2.0 webApp using **React-Redux**, ESLinting, and Jest. Integrated ant design with React boilerplate.
- Proposed solutions in handling generators, store, and react-router for major functionalities on the website.

Software Development and Support | Appeti.in

26th Nov. 2016 - 14th Jan 2017

- Improved website's new & broken **BackboneJs** codes; thereby reducing load time of home page to **0.1s (9.34Kb gzip)**
- Integrated Google analytics, lazy loading, push notification, schema(**SEO**), tawk.to on the website as part of the team.

Full Stack Web Application | Genius Mechanic

26th Nov 2016 - 1st Jan 2017

- Developed responsive webApp using **AngularJs** framework, MongoDB and **Single Page Application** concept.
- Key features include personalized home, dashboard, vehicle service request/ booking, 2 step user login/ signup.

Software Development and Support | Appeti.in

9th May 2016 - 9th Jul 2016

- Worked on fixing front end bugs making it more responsive and categorized. Resolved high priority **50+** bugs in 2 months
- Worked with custom Java & Python REST APIs. Added **JSP templates** with **AJAX** for featured products on special events

Projects

Teaching Assistant | Computer Science Department, IIT R

14th July 2017 - 14th November 2017

- Helping **60+ students** including CSE major and minors opted for DBMS Course '17-18, in their course Projects.
- Developed 6 Desktop Apps in 3 weeks resembling [Flipkart](#), [Mail](#), [Slack](#), [Wunderlist](#), [Google Classroom](#), and [Popcorn-Time](#).
- Developed **REST APIs** for 4 WebApps resembling [Facebook](#), [Shoppers](#), [LinkedIn](#), and [College Website](#).
- Tools & Technologies: Javafx 2.0, **Java 8**, ExpressJs, **Nodejs**, Bootstrap3, jquery, HTML5, CSS3, JDBC, MYSQL, IntelliJ IDEA

PetroPhysics and RockPhysics Interpretation Modelling and Evaluation | ES Department, IIT R

1st Feb 2017 - Ongoing

- Developing open source **Software** for well logs analysis. Integrated third party libraries (GMapFX, Java 3D) and **R scripts**.
- Implemented **Data Mining** (via Back Tracking) and **Parameter interpolation** using Random Forest and SVM (LibSVM)
- Tools & Technologies: Javafx 2.0, Java 8, **Cloud Computing**, **PaaS**, Python, JDBC, CSS, **NoSQL**, IntelliJ IDEA

Relational DB Design for Mock dropbox.com | Computer Science Department, IIT R

September 2016 - November 2016

- Designed Dropbox's ERD. Normalized (upto BCNF) and executed **SQL queries** like multiple user-file sharing, storing, etc.

Data Science Project | IIT R

21st September 2017 - Ongoing

- Modelling **chaotic behavior** of Share Market and Mutual Funds

Fractals and its Application in Geophysics | ES Department, IIT R

18th May 2015 - 31st Jun 2015

- Developed MATLAB code (using **Dynamic Programming**) for computing Non-Integral Dimension of **real world figures**
- Developed MATLAB code for computing Correlation Dimension which was used in modeling human crowd migration event
- Tools & Technologies: MATLAB, **Digital Image Processing**, Fractal & Chaos Theory, Non-Integer Dimension

Awards / Scholarships / Academic Achievements

- Certified through **10 days Workshop on Big Data Analytics** organized and supported by Department of CSE, IIT R and Big Data Initiative Division, DST, New Delhi respectively.
- Certified through **Cyber Security Workshop** conducted on Annual Social Convention'14 IITR by **Pristine InfoSolutions**
- Consistently receiving **Institute Merit-cum-Means Scholarship** of 1LPA, given to **top 25% students** in batch.
- Placement Representative** for 2017-18 batch of Earth Science Department(60+ students).
- Commendation Certificate under improved UI/UX category in **Panasonic Smartphone Innovation Challenge'16**.
- Participated in **ICICI Appathon** (virtual mobile app development challenge) and shortlisted till Semifinal round.
- Secured **93 percentile** in Algorithms(Badge level 4) at **Hackerrank** (@madHEYsia).
- Contributor** on **GeeksforGeeks.org**.
- Successfully qualified **GTSE(Gorakhpur Talent Search Examination)** - 2012

Skills

Computer languages	JAVA, React/Redux, BackboneJS, AngularJS, MYSQL, NOSQL, C++
Software Packages	Sublime Text, Sourcetree, IntelliJ IDEA, ATOM, Spring Tool Suite, FileZilla, Postman, Android Studio, Adobe Photoshop, IDLE(Python), MATLAB.
Additional Courses Taken	Software Engineering, System Design, Computer Network, Design and Analysis of Algorithm, DBMS, OOP, Data Structure, Operating System, Economics, Intro to AI and ML, ANN
Languages Known	English (SRW) , Hindi (SRW)

Positions of Responsibility & Extra Curriculars

Joint Secretary (Off-Campus), National Service Scheme, IITR 2013-16

- Dedicated Proficiency Holder(1st year)
- Played a vital role in Central & Off Campus decisions relating to 400+ IITR students and 4+ nearby villages.

Financial Markets Technical Analysis Trainee, Traders for Tomorrow IIT R Chapter 2017-Ongoing

- Working on Fund Management and Trading Projects

Co-convenor, Departmental Cognizance, Annual Tech Fest, IIT R 2013-16

- Organising Secretary(2015)
- End-to-end managed fest including budgeting, planning, poster designing, promotions, and sponsorship.

Executive (Sponsorship), Sankalp, Annual Social Convention, IIT R 2015

- Responsible for identifying, soliciting and signing MoU from individual, corporate and foundation sponsor prospects.

Graphic Designer, Counselling Cell, IIT R 2014-15

- Designed minimalist posters for events promotion and bridged the gap between professional counselor and students.

Co-Coordinator, Thomso, Annual Cultural Fest, IIT R 2014

- Successfully Conducted Thomso Got Talent, an onsite event, for 60+ performers.

References

Ranita Biswas

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Ravi Sharma

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