SHUBHAM KUMAR

B.Tech. Metallurgical & Materials Engineering
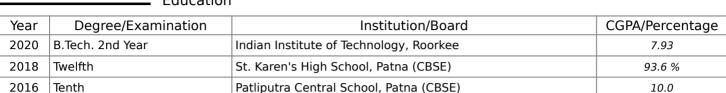UG(III Year I Semester)
Contact No: 9117227202
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Registration No: B.Tech./MT/18118066/2021

Indian Institute of
Technology
Roorkee

Area of Interest

Competitive Programming , Web Development

Education

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2020	B.Tech. 2nd Year	Indian Institute of Technology, Roorkee	*7.93*
2018	Twelfth	St. Karen's High School, Patna (CBSE)	*93.6 %*
2016	Tenth	Patliputra Central School, Patna (CBSE)	*10.0*

Internships

Web Developer Intern | CureStrings   Sep 2020 - Oct 2020

- Developed operational rigor for the front-end of the website.
- Developed the RESTful APIs and implemented the server-side logic in Node.js, Express.js and MongoDB.
- Worked on building a plasma donation web-app for the needy people during COVID-19 pandemic.

NodeJS Full Stack Developer | Webnet Technologies   Nov 2020 - Jan 2021

- Developed a web-app for the local people to find and fix appointment with the best specialist doctor near them.
- Designed the database structure and coded the back-end part including geolocation API and others.
- Worked closely with front-end team while integrating the back-end and gave the contribution where required.

Projects

Market Research - 'Effect of E-sports on smartphone purchasing' | IIT Roorkee   Aug 2020 - Jan 2021

- This project was done under the valuable guidance of Prof. J.K Nayak.
- Primary data collected in the form of a questionaire from more than **400 respondents** and secondary data from websites such as Statista and Gaming scan.
- Used python packages such as **Pandas, Numpy, Matplotlib** for data pre-processing.
- Validated several hypotheses by using data analysis techniques such as **ANOVA, MANOVA and Chi-Square**.
- All four hypothesis shows **statistically significant** difference.

Awards / Scholarships / Academic Achievements

- **Merit-cum-Means (MCM) Scholarship** awardee since 1st year (2018).
- Secured top **1 percentile** in Joint Entrance Examination Advanced 2018.
- Awarded with the tag of **dedicated member** of NSS IITR 2018-19 team.

Skills

Computer languages	C++ , JAVA , Javascript , Bootstrap , Semantic UI , NodeJS , MongoDB , SQL , Git
Software Packages	MATLAB , SQL as well as NoSQL database provider , Postman , Visual Studio IDE , Netbeans IDE
Additional Courses Taken	Data Structures and Algorithms , Advanced Engineering Mathematics (Matrix, Algebra and Calculus) , Mathematical Methods (Differential Equations, Fourier Transform, Laplace Transform) , Economics , Marketing Research , Quantum Computing
Languages Known	English (SRW) , Hindi (SRW)

Positions of Responsibility & Extra Curriculars

UG-DAPC Student Representative | MMED, IIT Roorkee   Dec 2020 - Present

- Student Representative of 400+ undergraduates in the Department Academic Programme Committee.
- Facilitating redressal of various academic concerns, working with the Academic Section and the Head of the Department for academic reforms.

Undergraduate Teaching Assistant | MMED, IIT Roorkee   Nov 2020 - Present

- Selected as a UGTA for the course Metallurgical Thermodynamics and Kinetics (MTN-102) under the Prof. Arka Lahiri.
- Designated to act as a bridge between the faculty course coordinator and the freshmen for a selected course.

Allied Head | Academic Reinforcement Program (ARP)   Jun 2019 - Present

- Worked on building and maintaining the website. Worked on NodeJS, Bootstrap and MongoDB.
- Managed and recruited the teaching assistants from 2nd and 3rd year students to help the fresher undergraduates in their academics.

References

Prof. B.S. Sundar Daniel
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Prof. J. K. Nayak
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