Dhruv Bhanushali

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Engineering Physics (EPh)

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Education

Year	Institute	CGPA/Percentage
2015-2019	Indian Institute of Technology, Roorkee – *B. Tech. in Engineering Physics*	7.433
2014	Jaipuriar School, Navi Mumbai – *Class XII*	91.2%
2012	Seventh-Day Adventist Higher Secondary School, Navi Mumbai – *Class X*	95.8%

Internships

Software developer – *HackerEarth, Bangalore*

Developed a code evaluator that evaluates Java projects by running JUnit tests and also evaluating their output with the given input to score the project. This is used by HackerEarth to test the project development ability of candidates.

Projects

LecTut – *Android app development*

LecTut is the online study portal of IIT Roorkee, where all study material such as lecture notes, slides and tutorial sheets are found. This app provides a fluent native experience to access LecTut and study on one's mobile phone.

Nobel – *Node.js app development*

Nobel is used to ping a computer in a remote location and enter a chatroom hosted at that location, allowing IMG members to contact colleagues in the lab from their hostel rooms via a multiuser chat.

Rethink – *Django app development*

Rethink is a web application for the tinkering lab of IIT Roorkee to be able to manage their resources such as raw material and also utilize time by optimally allocating time slots to students applying for them.

Channel i – *App containerization, restructuring and upgradation*

Channel i is the one stop portal for all digital needs of IIT Roorkee. This project pertains to the upgradation of Channel i to a newer framework and also restructuring it to be containerized with Docker, load-balanced and future-proof.

Positions of responsibility

Project leader – *Information Management Group, IIT Roorkee*

As a project leader of IMG, I worked on maintaining the online placement portal and also focused on porting Channel i to a newer version of Django, while restructuring it to be extensible, containerizing it for both development and deployment with Docker containers and also supervised the day to day functioning of IMG as a group. Also conducted a workshop for freshmen and sophomores on building a PHP web application.

Local organizing committee member – *Indo-Japan Accelerator School, 2017*

As a member of the LOC, I developed the registration website of IJAS 2017, hosted it on IIT Roorkee servers with the help of IMG and also oversaw the on-site technical support for the duration of the conferences and seminars.

Skills

Software applications: Wolfram Mathematica, MathWorks MATLAB + Simulink, Docker, Jupyter, iPython, NI Multisim, Vim, Git, JetBrains IDEs, Postman, Adobe Creative Suite, SQL and NoSQL databases

Languages

Computer languages: Java, Python, Kotlin, C++, JavaScript, PHP, Fortran 77, Rust
Human languages: English (SRW), Hindi (SRW), Marathi (SRW), Gujarati (SRW), Kutchi (S)

Frameworks

Java: Spring MVC, Android, Swing and JavaFX
Python: Django, Django REST, NumPy and SymPy
Kotlin: Android
Node.js: Express, Socket.IO and Adonis
JavaScript: Angular and React