

Robin Sandhu

+91 972-952-2221 | er.robinsandhu@gmail.com | [linkedin.com/in/robin-sandhu-b62010181](https://www.linkedin.com/in/robin-sandhu-b62010181) | github.com/robinsandhu




EDUCATION

Thapar Institute of Engineering and Technology <i>B.E. in Computer Engineering, 9.07 CGPA</i>	Patiala, IN 2018 – 2022
L.B.S Senior Secondary School <i>Higher Secondary Education, CBSE, XII 86%</i>	Kota, IN 2018
S.A. Jain Senior Model School <i>Secondary Education, CBSE, X 9.8 CGPA</i>	Ambala City, IN 2016

EXPERIENCE

Development Intern <i>Zscaler</i>	June 2021 – Sept. 2021 <i>Virtual</i>
<ul style="list-style-type: none">Used HTML, CSS and JavaScript for adding features to the Continous Integration Web User InterfaceWrote Rest API endpoints in JAVA Jersey framework for implementing the functionality of the featuresWrote SQL queries in the Java API endpoints for fetching out the relevant info from the MySQL databaseWorked on modularizing the main build script of the Continous Integration System	

PROJECTS

P2P Mortgage Lending System <i>Solidity, Truffle, HTML, IPFS, Reactjs</i> 	Nov 2021 – Dec 2021
<ul style="list-style-type: none">Wrote smart contracts in solidity for performing all the transaction related logical operation on the ethereum blockchainCreated a responsive frontend in Reactjs using web3js library for handling out all the rpc calls to the blockchain network on behalf of the userImplemented a secure way of storing the mortgage documents on the decentralized IPFS network using GPG key signingWorked on documenting the project along with my other teammates	
Document Scanner <i>JavaScript, NodeJS, Ionic, Google Vision</i>	Sep. 2020 – Dec. 2020
<ul style="list-style-type: none">Worked in a team of 3 members for developing a document scanner for our software engineering projectWorked on adding support for Optical Character Recognition for images using the Google Vision APIAdded API support on the backend for storing the images on the serverHelped in writing SRS and other diagrams for the documentation of the project	
Double Pendulum PRNG <i>JavaScript, CPP, P5JS</i> 	2019
<ul style="list-style-type: none">Implemented this paper  on pseudo-random number generation using chaotic motion of Double PendulumUsed P5 library of JavaScript for animating the double pendulum systemCreated a Web UI for visualising the chaotic motion of the Double Pendulum for different initial parametersUsed CPP for iteratively solving the differential equations of double pendulum system for PRNG	

POSITION OF RESPONSIBILITIES

Joint Academic Head <i>ACM Student Chapter</i>	June 2020 – July 2021
<ul style="list-style-type: none">Mentored a batch of 27 sophomores of the ACM student chapter on Data structures and AlgorithmsContributed to the society in organizing programming contests for the students of TIET	

ACADEMIC ACHIEVEMENTS AND AWARDS

Recipient of the Merit Scholarship by Thapar Institute, waiving off 50% of tuition fee	2019
Placed 3rd position in Robotic ARM ELC Workshop	2019

TECHNICAL SKILLS

Languages: C/C++, Python, SQL (MySQL), JavaScript, HTML/CSS, Solidity
Frameworks: Node.js, React, Express.js, Truffle
Developer Tools: Linux, Git, Docker
Libraries: pandas, NumPy, Matplotlib, STL(C++)