

# Himangshu Shekhar Jha

www.himangshushekarjha.com | jhahimangshushekar@gmail.com | (+91) 9831762439 | LinkedIn: [in](#) | Github: [G](#) | RIT Bangalore, India

## EDUCATION

### Ramaiah Institute Of Technology, Bangalore

B.E. in Computer Science & Engineering, Current CGPA : 9.52/10

Aug 2018 - Current

Expected Aug. 2022

**Coursework:** Data Structures and Algorithms, Object Oriented Programming, Operating Systems, Data Communication and Networking, Distributed Systems, Discrete Mathematics, Computer Architecture, Database Systems, Web Technologies and Applications

## SKILLS

- **Programming Languages:** C++(proficient), JavaScript, Java, Python, Rego
- **Frameworks & Databases:** HTML, CSS, Node.js, Express, Flask Vue.js, Cheerio.js, Click, Bootstrap, Electron, MongoDB, MySQL

## EXPERIENCE

- **Morgan Stanley** | Technology Analyst Intern Feb 2022 - Jul 2022
  - Designed an in house tool to analyze and decommission all releases, releaselinks, CI Jobs and repositories associated with a project freeing dollar equivalent space on the file system using **Flask** as backend and **Click module** of python for command line interface
  - Proposed a proof of concept to decouple business logic from the application logic using **Open Policy Agent**
- **SNAM Alloys Pvt Ltd.** | Project Intern Oct 2020 - Nov 2021
  - Designed and implemented REST APIs using **Express** and **Node.js**, databases using **MongoDB** and payment processing system as a backend developer to digitize the services provided by SNAM
  - Migrated desktop client from **.NET** to **Electron** using **Vue.js** for front-end, substantially improving customer management
- **Samsung Research Institute** | Research Intern (PRISM) Oct 2020 - Jul 2021
  - Designed and implemented a learning pipeline for automated hardware-aware DNN customization using **Keras** and **TensorFlow**
  - Tested inference time and accuracy on mobile devices like Samsung M31, OnePlus Nord, etc with reduction in inference time by 50% for ResNet50 and 20% for MobileNetV1 datasets with accuracy preserved
- **Leoxipraade Pvt Ltd.** | Full Stack Intern Mar 2020 - Aug 2021
  - Designed and implemented a web application to handle all phases involved in shipping
  - Implemented business logic on the backend using REST APIs through **Node.js** and **Express** and UI modules for the website on the frontend using **Vue.js** and **MongoDB** for data persistence

## PROJECTS

- **Lightweight Cloud Based Solution For Online Analysis And Assessment** Apr 2022 - Jul 2022
  - Designed and developed an online assessment tool using **React.js** as frontend and **Node.js** as backend having a **judge0** based remote code execution engine and a private **Docker** Registry of compiler images, hosted on the in-house server of RIT using **Kubernetes**
  - Designed and developed a web application for effective and easy deployment of applications and provisioning of server resources through **Kubernetes** and **Docker** using **Vue.js** as frontend and **Flask** as backend
- **Cloud Based Thermal Analysis System (CBTAS)** Oct 2020 - Nov 2021
  - Designed and developed a web application with a desktop client to check quality of alloys, handle customer subscriptions, payments and raise tickets to experts in case of alloy defects using **JavaScript**, **Python**, **Node.js**, **Express**, **Vue.js**, **Electron**, **MongoDB**
- **WannaVisit** Oct 2020 - Nov 2020
  - Designed and developed a **Chrome extension** to warn users about outgoing links to malicious websites from the current website and a web application to find the shortest distance from a given source website to a destination website using **Breadth-First Search Algorithm** along with **JavaScript**, **Vue.js**, **Cheerio.js**, **Node.js**

## ACHIEVEMENTS

- Received **best project award** for Lightweight Cloud Based Solution For Digital Education And Assessment by **Alumini Association, Ramaiah Institute Of Technology** Jul 2022
- Research paper on Design and Develop DNN for faster inference got accepted by **IntelliSys Conference and Springer** Jul 2022
- Received **top performer** award by **Dept Of CSE, RIT** Jul 2022
- Received **Certificate Of Excellence** by **Samsung Research Institute, Bangalore** Nov 2021
- Selected for **JP Morgan Code for Good** hackathon (600 out of 18000 plus candidates) and was offered **FTE opportunity** Jun 2021
- Winner at **Code RIT's (Coding Club of Ramaiah Institute Of Technology)** coding competition Apr 2020
- Secured a rank of 957 in **COMEDK, 2018** Apr 2018

## LEADERSHIP

- **Student Core Coordinator** at *Coding Club, RIT Bangalore* Oct 2020-Present  
Built a diverse team of 25 coordinators, organized Competitive-Programming challenges, organized hackathons
- **Problem Setter** of *IEEE Women In Engineering* coding competition Jul 2020