

Suprgya Bhushan

Generalist Software Engineer

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WORK

Professional Freelancer | Jan 2022 - Present

Developing a mental health app in Android & iOS. Programmed a synchronised blocks-based code editor for browsers. Collaborated on developing a B2B SaaS sales web-based coaching platform. Full-Stack Development position responsible for the creation of multiple custom WordPress projects, including e-commerce sites from concept to completion.

ReactJS React Native TypeScript Node.js
Microsoft Azure Firebase JavaScript Blockly
MongoDB ClickUp WordPress

Software Engineer | Aug 2019 - Dec 2021

PinkBlue - Bengaluru, India

Developed an integrated hospital supply chain digital platform solution.

Django AngularJS Node.js Python AWS

NPO Intern & Collaborator | Jan 2018 - Dec 2022

Vision Empower - Bengaluru, India

Worked on Accessible Solutions for Education of the Visually Impaired (VI).

Open edX Python Node.js

NUS Enterprise Summer Student | Jun 2017 - Jul 2017

NUS Entrepreneurship Centre - National University of Singapore, Singapore

Trained on Economic and Enterprise Development at National University of Singapore (NUS).

Software Engineer Intern | May 2016 - Jul 2016

IBM - New Delhi, India

Made a Chatbot in JavaScript using WebSockets.

WebRTC

Summer Freelancer | May 2016 - Jul 2016

Citrya - Bengaluru, India

Developed a Text Editor like WIX platform.

AngularJS Node.js

EDUCATION

IIIT Bangalore (IIITB) | Jul 2014 - Jul 2019

BTech and MTech, Computer Science

CGPA: 3.10/4.00

Thesis: Intermediaries In Agile-based ICT Application Development: A Study Involving The Indian Public Health & Nutrition Sector

VBPS Noida

Class 12th: 94.8% (May 2014)

Class 10th: CGPA: 10/10 (May 2012)

PUBLICATIONS

- *Complexity Demands Agility: Operationalizing Agile Principles To Address Complex Public Health Challenge Of Malnutrition Management* - **Accepted at ICTD 2022, University of Washington in Seattle, USA.**
- *Creating an Accessible Technology (AT) Ecosystem for Learning Science and Math* - **Accepted at MCHV-INAIS Workshop, IIM Calcutta.** Used for video research study at India Today - [Link to the video](#)

SKILLS

Languages: C, Python, C++, Java, MATLAB, R, JavaScript, MySQL, HTML, \LaTeX , CSS, PHP, Bash, Arduino

Software & Frameworks: Ruby on Rails (RoR), Laravel, Django, Open edX, React Native, ReactJS, Node.js, AngularJS, Tableau, Figma

Tools: Git, PyTorch, OpenCV, NumPy, Pandas, Flask, Selenium, WebRTC

Other: CI/CD, Version Control, Web, Data Science and ML

HACKATHON

Finalists, Smart India Hackathon (Apr 2017)

ACTIVITIES

- Placement Cell Member - IIITB (2017-2019)
- Teaching Assistant - Math for ML - IIITB - Prof. Amit Chattopadhyay (2019)
- Zense - Technical Club Member - IIITB (2016)
- Organiser & Coordinator - INFIN8 - IIITB's First Cultural Fest (2015)



OTHER PROJECTS

Accessible Learning Management System (LMS) Platform - "Subodha"

Guide: Prof. Amit Prakash | Aug 2018 - Dec 2018

Accessible LMS Platform developed using Open edX Development Stack and extensible features, XBlocks.

Food Object Detection and Calorie Estimation

Guide: Prof. G Srinivasaraghavan | Aug 2018 - Dec 2018

Food Object Detection using a TensorFlow frozen model of Faster RCNN and Calorie Estimation using the Expectation-Maximization algorithm.

Nutrition Tracking Mobile Application

Guide: Prof. Amit Prakash | Aug 2017 - Dec 2017

Potential Design Solution for a user-friendly Nutrition Tracking Mobile Application for a Public Healthcare Institution.

Sanskrit Sandhi Splitting Software

Guide: Prof. G N Srinivasa Prasanna &

Prof. Sujit Chakrabarti | Jan 2017 - July 2017

A Computational Tool showing all possible splittings of a given Sanskrit string.

Intellectual Property (IP) Asset Management Portal

Guide: Prof. Srinath Srinivasa | Aug 2016 - Dec 2016

Web Application Portal built using RoR which manages IP Assets of the Institute.



SCORES

GMAT: 770/800 (June 2020)



RELEVANT COURSES

- Neural Networks & Reinforcement Learning
- Machine Learning (ML)
- Text Processing & Information Retrieval
- Foundations for Big Data Algorithms
- Information Technology Project & Product Management
- Information & Communication Technology & Policy Regulation
- E-Governance Application Design
- Database System and Management



INTERESTS

Proactive about learning diverse things and happy to discuss those. I am into fitness and running. Dancing is what I breathe, whether for learning, or at events participation or at parties.